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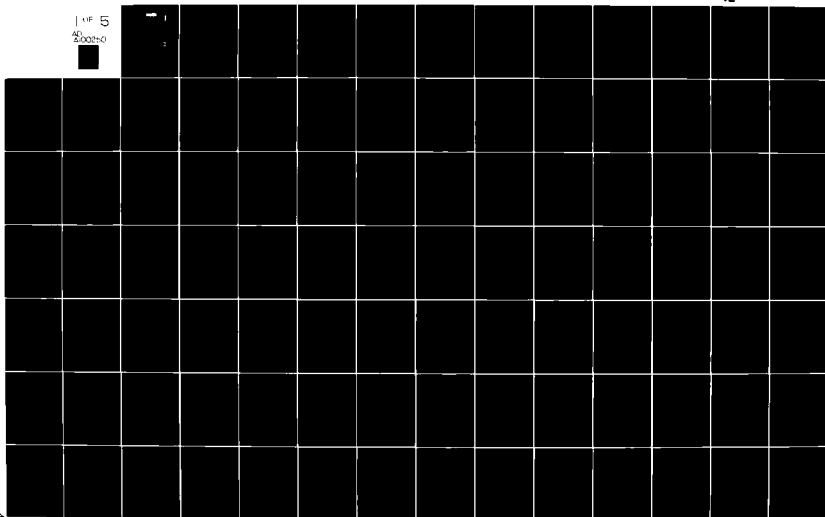
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FORT SIMPSON, NORTHWEST TERRITORIES, CANADA. REVISED UNIFORM SU--ETC(111)  
JAN 72

UNCLASSIFIED USAFETAC/DS-81/045

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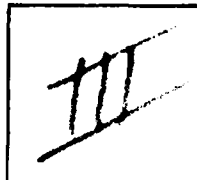


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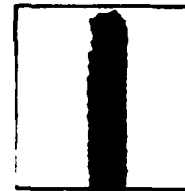
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DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

FORT SIMPSON NWT DOT WBAN # 26210  
N 61 45 W 121 14 ELEV 576 FT CYFS WMO # 72946

PARTS A, C-F

POR FROM HOURLY OBS: JAN 57-DEC 66

REC'D FEB 03 1972

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FOR THE COMMANDER

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-81/045	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Ft Simpson, Northwest Territories, Canada		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER															
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18. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
19. SUPPLEMENTARY NOTES The following parts are missing from this document: Part A- Atmospheric Phenomena Part B- Precipitation, Snowfall, Snow Depth Part E- Daily Max, Min, and Mean Temp/ Extreme Max and Min Temp																	
20. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
21. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Ft Simpson, Northwest Territories, Canada It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

DD FORM 1 JAN 73 1473

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables  
\* Northwest Territories, Canada  
\*\* Ft Simpson, Canada
20. and dew point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurring tables.  
The Period of Record for Hourly Observations is:  
JAN 57- DEC 66

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DATA PROCESSING DIVISION  
USAFSWS 01-1  
AIR WEATHER SERVICE (MAC)

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA DATA NOT AVAILABLE

#### PART B PRECIPITATION DATA NOT AVAILABLE

SNOWFALL DATA NOT AVAILABLE

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP DATA NOT AVAILABLE

EXTREME MAX & MIN TEMP DATA NOT AVAILABLE

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO OR SUMMARY		STATION NAME		LATITUDE		LONGITUDE		STATION ELEV (FT)		CALL SIGN		WMO NUMBER	
26210		FORT SIMPSON NWT DOT		N 61 45		W 121 14		576		CYFS		72946	
<b>STATION LOCATION AND INSTRUMENTATION HISTORY</b>													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			STATION (FT)	TYPE BAROMETER					
1	Fort Simpson NWT DOT	C	Jan 57	Oct 63	N 61 52	W 121 21	422	N/A	24				
2	No Change	C	Nov 63	Dec 66	N 61 45	W 121 14	576	N/A	24				
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
1	Jan 57 to Oct 63	Not Available	N/A	N/A	N/A	Hourly surface observations on Magnetic tape from DOT Canada.							
2	Nov 63 to Dec 66	Not Available	N/A	N/A	N/A	Same as above.							

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

A

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAJ

## WEATHER CONDITIONS

76210  
STATION

FORT SIMPSON NWT DET  
STATION NAME

57-66  
YEARS

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREELING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL			.0	24.0		24.0	3.3		1.4		4.7	7440
FEB				.0	23.9		23.9	1.3		.2		1.5	6768
MAR			.1	.1	21.3		21.4	.3		.6		.8	7440
APR			.9	.1	11.3		12.3	.1		.5		.7	7200
MAY		.1	4.9	.0	2.5		7.2	.2				.2	7393
JUN		.4	8.8				8.8	.9				.9	7200
JUL		.8	9.5				9.5	1.5	.5			2.0	7440
AUG		.5	7.8				7.8	1.6	.6			2.2	7440
SEP		.1	11.6		1.3		12.6	3.9				3.9	7200
OCT			4.0	.9	14.6		19.2	6.3	.1	.2		6.6	7440
NOV			.0	.1	29.4		29.5	2.9		1.0		3.9	7200
DEC				.0	28.9		28.9	2.6		1.6		4.2	7440
TOTALS		.2	4.0	.1	13.1		17.1	2.1	.1	.5		2.6	87601



2

DATA PROCESSING DIVISION  
USAF ETAL  
AIR WEATHER SERVICE/14C

## WEATHER CONDITIONS

26211 FORT SIMPSON NWT OUT  
STATION STATION NAME

57-66

YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST. TO VISION	TOTAL NO. OF OBS
JAN.	00-02				25.2		25.2	3.1		.2		3.9	930
	03-05				26.6		26.6	3.4		1.2		4.6	930
	06-08				28.2		28.2	4.7		1.6		6.3	930
	09-11				22.3		22.3	5.9		1.2		7.1	930
	12-14			.1	24.1		24.2	2.7		1.6		4.3	930
	15-17			.2	20.2		20.3	1.7		1.9		3.7	930
	18-20				19.9		19.9	1.9		1.6		3.8	930
	21-23				23.2		23.2	3.2		.8		4.0	930
TOTALS				.0	24.0		24.0	3.3		1.4		4.7	7440

2

DATA PROCESSING DIVISION  
 SAF ETAC  
 AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

26212

FORT SIMPSON NAT DUT

57-66

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND, OR DRIZZLE	FREEZING RAIN & / OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND, OR HAZE	BLOWING SNOW	DUST AND, OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02				26.4		26.4	.7				.9	846
	03-05				25.5		25.5	1.9		.2		2.1	846
	06-08				24.3		24.3	1.7		.4		2.5	846
	09-11				23.5		23.5	2.2		.7		2.5	846
	12-14			.1	23.0		23.2	1.5		.4		2.1	846
	15-17				20.7		20.7	.9				.9	846
	18-20				23.8		23.8	.8				.8	846
	21-23				24.1		24.1	.2				.2	846
TOTALS				.0	23.9		23.9	1.3		.2		1.5	6768

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

# WEATHER CONDITIONS

26210 FORT SIMPSON NWT DIST  
STATION STATION NAME

57-66

YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		.1		23.3		23.4	.2		.2		.4	930
	03-05				24.7		24.7			.5		.5	930
	06-08		.1	.2	25.1		25.4	.8		.2		1.5	930
	09-11		.1	.3	24.7		25.2	.5		.5		1.1	930
	12-14		.1	.1	17.5		17.7	.2		1.1		1.3	930
	15-17				15.8		15.8	.1		.6		.8	930
	18-20				18.1		18.1	.2		.4		.6	930
	21-23		.2		20.9		21.1	.2		.3		.5	930
TOTALS			.1	.1	21.3		21.4	.3		.6		.8	7440

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

26210  
STATIONFORT SIMPSON NWT DUT  
STATION NAME57-66  
YEARSAPR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02		1.0		13.3		14.3	.1		.2		.3	900
	03-05		1.0	.1	13.7		14.8	.4		.4		1.2	900
	06-08		.3	.2	14.6		15.0	.3		.7		1.1	900
	09-11		.3	.2	12.8		13.3			1.1		1.1	900
	12-14		1.7	.1	8.3		10.1			.4		.8	900
	15-17		.8	.2	7.0		8.0	.1		.3		.4	900
	18-20		1.0		9.8		10.8						900
	21-23		1.3		11.1		12.4			.3		.3	900
TOTALS			.9	.1	11.3		12.3	.1		.5		.7	7200

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

20210  
STATION

FORT SIMPSON NLT DLT  
STATION NAME

57-66

YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.1	6.1		3.7		8.8	.2				.2	921
	03-05		4.0		3.6		7.3	.8				.8	922
	06-08		5.2	.1	2.6		7.8						924
	09-11		4.8		2.8		7.3	.3				.3	926
	12-14		4.6		1.8		6.4	.1				.1	923
	15-17	.4	4.1		1.7		5.8						927
	18-20		4.0		1.8		5.8						927
	21-23		6.6		2.0		8.5						923
TOTALS		.1	4.9	.0	2.5		7.2	.2				.2	7393

2

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

26210

STATION

FORT SIMPSON NWT DUT

STATION NAME

57-66

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.2	7.9				7.9	1.1				1.1	900
	03-05		8.8				8.8	1.6				1.6	900
	06-08		6.7				6.7	.9				.9	900
	09-11	.1	9.2				9.2	.6				.6	900
	12-14	1.3	8.6				8.6	.7				.7	900
	15-17	1.0	10.1				10.1	1.1				1.1	900
	18-20	.3	9.9				9.9	.7				.7	900
	21-23	.3	9.0				9.0	.7				.7	900
TOTALS		.4	8.8				8.8	.9				.9	7200

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

26210  
STATION

FORT SIMPSON NWT DIST  
STATION NAME

57-66  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.8	11.0				11.0	1.3	.4			1.7	930
	03-05		9.7				9.7	2.8	.6			3.4	930
	06-08	.1	9.9				9.9	2.4	1.1			3.4	930
	09-11		8.8				8.8	2.3	.8			3.0	930
	12-14	.9	7.6				7.6	.8	.3			1.1	930
	15-17	.9	7.3				7.3	.6	.3			1.0	930
	18-20	1.7	10.1				10.1	.8	.3			1.1	930
	21-23	2.0	11.2				11.2	.6	.3			1.0	930
TOTALS		.8	9.5				9.5	1.5	.5			2.0	7440

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

26210  
STATION

FORT SIMPSON NAT DUT  
STATION NAME

57-66

YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00-02	.5	10.2				10.2	1.2	.6			1.8	930
	03-05		8.5				8.5	4.9	.5			5.5	930
	06-08		7.7				7.7	3.9	.3			4.2	930
	09-11	.1	7.4				7.4	1.0	.8			1.7	930
	12-14	.3	6.8				6.8	.5	.6			1.2	930
	15-17	1.0	6.1				6.1	.5	.5			1.1	930
	18-20	1.3	7.4				7.4	.6	.4			1.1	930
	21-23	.9	6.6				6.6	.3	.8			1.1	930
TOTALS		.5	7.8				7.8	1.6	.6			2.2	7440



2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

## WEATHER CONDITIONS

26210  
STATION

FORT SIMPSON NWT DIST  
STATION NAME

57-66

YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02	.1	11.0		.0		11.9	3.1				3.1	900
	03-05		12.1		1.3		13.4	7.6				7.6	900
	06-08		13.3		1.7		14.7	9.8				9.8	900
	09-11		12.8		1.7		14.1	4.3				4.3	900
	12-14		11.9		1.4		13.2	1.4				1.4	900
	15-17		9.8		1.3		10.9	1.3				1.3	900
	18-20	.3	10.8		1.1		11.3	2.0				2.0	900
	21-23	.1	10.8		.7		11.4	2.0				2.0	900
TOTALS		.1	11.6		1.3		12.6	3.9				3.9	7200

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

26210 FORT SIMPSON NAT DIST  
STATION STATION NAME

57-66

YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02		5.5	1.0	14.7		20.9	7.7	.1			7.8	930
	03-05		4.6	1.3	14.7		20.1	11.3				11.3	930
	06-08		3.5	1.5	16.3		21.3	11.5				11.5	930
	09-11		4.3	1.0	17.4		22.4	8.4				8.4	930
	12-14		4.0	1.0	14.9		19.7	2.0	.1	.1		2.5	930
	15-17		3.0	.4	13.4		16.7	1.9	.1	.3		2.4	930
	18-20		2.7	.3	12.6		15.2	2.5	.4	.3		3.2	930
	21-23		4.6	.5	13.0		17.6	5.1	.3	.6		6.0	930
TOTALS			4.0	.9	14.6		19.2	6.3	.1	.2		6.6	7440

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

2621  
STATION

FORT SIMPSON NWT DUT  
STATION NAME

57-66

YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02				28.9		28.9	2.9		1.2		4.1	900
	03-05			.1	30.2		30.3	4.9		1.0		5.9	900
	06-08		.1	.1	28.1		28.3	5.3		1.0		6.3	900
	09-11			.1	32.1		32.2	4.2		.9		5.1	900
	12-14				29.4		29.4	1.1		.7		1.8	900
	15-17				28.0		28.0	1.1		.7		1.8	900
	18-20			.1	29.3		29.4	1.4		1.2		2.7	900
	21-23			.1	29.3		29.4	2.2		1.3		3.6	900
TOTALS			.0	.1	29.4		29.5	2.9		1.0		3.9	7200

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

26210 FORT SIMPSON NBT DUT  
STATION

57-66

YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02				30.8		30.8	3.2		1.6		4.8	930
	03-05				28.5		28.5	3.5		1.2		4.7	930
	06-08				29.0		29.0	3.1		1.1		4.2	930
	09-11				25.9		25.9	3.5		1.4		4.9	930
	12-14				29.2		29.2	1.9		1.1		3.8	930
	15-17				30.5		30.5	1.7		2.0		3.8	930
	18-20				27.6		27.6	1.7		1.5		3.2	930
	21-23			.1	29.5		29.6	2.5		1.3		4.3	930
TOTALS				.0	28.9		28.9	2.6		1.6		4.2	7440

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

### DATA NOT AVAILABLE

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ETAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

26210 STATION 26210 STATION NAME FT. SIMPSON NAT. DIST. 57-66 YEARS ALL MONTH ALL HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.2	1.9	.7	.1	.2						4.6	6.6
NNE	.4	.3	.4	.1	.0							1.2	6.3
NE	.6	.2	.1	.0	.0							1.0	4.1
NNE	.4	.1	.1	.0	.0							.7	3.9
E	1.7	.7	.5	.1	.0							3.0	4.3
ESE	2.0	1.9	3.3	.6	.0							7.0	6.5
SE	5.2	4.5	7.0	1.0	.0							17.7	6.1
SSE	1.6	1.5	2.5	.3	.0							5.9	6.2
S	1.6	.7	.6	.0	.0							2.9	4.4
SSW	.5	.4	.4	.1	.0	.0						1.3	3.4
SW	.7	.4	.4	.1	.0	.0						1.6	5.0
WSW	.4	.2	.2	.1	.0	.0						1.0	5.5
W	1.6	.4	.2	.0	.0							2.2	3.7
WNW	2.1	1.4	1.7	.3	.0	.0						5.5	5.6
NW	4.6	4.5	7.1	1.6	.2	.0	.0					18.0	6.6
NNW	1.6	1.9	4.9	2.3	.3	.0	.0					11.1	8.4
VARBL													
CALM												13.3	
	26.4	20.4	31.4	7.4	.7	.1	.0					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 87601

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWI DUT  
STATION NAME57-66  
YEARSJAN  
MONTHALL WEATHER  
CLASSALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.4	1.0	.4	.1	.0						2.8	7.5
NNE	.1	.0	.1									.2	4.5
NE	.4	.0	.0									.4	2.7
ENE	.2	.0										.2	2.5
E	1.0	.2	.1									1.4	3.5
ESE	1.6	.7	1.8	.2	.0							4.3	5.9
SE	4.7	3.3	3.6	1.0	.0							14.6	6.0
SSE	1.6	1.0	1.9	.1	.0							4.7	5.8
S	1.1	.3	.3	.0								1.9	4.3
SSW	.2	.0	.1	.1								.4	5.8
SW	.3	.1	.2	.1								.6	5.8
WSW	.3	.0	.0	.0								.4	3.4
W	2.0	.3	.1									2.4	3.0
WNW	3.0	2.6	3.2	.7	.1							9.6	6.0
NW	7.3	5.9	8.8	2.0	.2							24.2	6.4
NNW	2.3	1.3	4.4	2.0	.3	.1	.0					10.8	8.3
VARBL													
CALM												21.1	
	27.0	16.5	27.8	6.6	.8	.2	.0					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

7440

2

DATA PROCESSING DIVISION  
 FTAC/USA-  
 AIR WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 FT T SIMPSON NWT DUT  
 STATION

STATION NAME

57-66

YEARS

FFB

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L &amp; T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.4	1.2	.5	.1							3.4	7.3
NNE	.2	.0		.0								.3	4.4
NE	.3	.0	.0									.3	2.9
ENE	.2	.0	.0									.2	3.2
E	1.2	.5	.2	.0								1.9	3.7
ESE	1.9	1.7	3.0	.4								6.8	6.2
SE	5.7	4.1	6.3	.8	.1							17.0	5.9
SSE	1.6	1.3	2.3	.3	.0							5.5	6.2
S	.8	.4	.3									1.4	4.2
SSW	.3	.1	.1									.4	3.6
SW	.4	.2	.2	.1								.7	5.9
WSW	.3	.0	.1	.1								.6	5.4
W	1.2	.3	.2									1.6	3.5
WNW	2.4	2.0	1.9	.4								7.2	5.3
NW	6.5	5.7	10.3	1.6	.1							24.2	6.4
NNW	1.8	1.7	5.3	2.7	.3	.0						11.9	8.5
VARBL													
CALM												16.5	
	29.0	18.4	31.4	7.0	.7	.0						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

6768



2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NAT OUT  
STATION NAME57-66  
YEARSMAR  
MONTHALL WEATHER  
CLASSALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.5	.7	.1							5.4	6.6
NNE	.3	.1	.2	.0								.5	5.2
NE	.2	.1										.3	3.0
ENE	.3	.1	.0									.4	3.1
E	1.4	.5	.6	.0	.0							2.6	4.3
ESE	1.7	1.8	3.4	.6	.1							7.6	6.7
SE	4.7	4.9	7.7	1.1	.0							18.4	6.3
SSE	1.0	1.0	2.2	.2								4.6	6.6
S	.8	.5	.6	.1								1.9	5.2
SSW	.2	.1	.0	.0								.3	4.3
SW	.4	.1	.1	.0								.6	3.9
WSW	.1	.2	.1	.1								.5	3.9
W	.0	.3	.1									1.0	3.6
WNW	2.4	1.8	2.8	.4								7.4	6.0
NW	3.8	6.7	10.1	1.6	.0							24.1	6.3
NNW	1.9	2.4	5.2	2.7	.3							12.6	8.2
VARBL													
CALM												11.9	
	23.6	21.7	34.7	7.5	.5							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

7440

2

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210

STATION

FORT SIMPSON NWT DOT

STATION NAME

57-66

YEARS

APR

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.3	2.1	.9	.1							5.9	7.1
NNE	.8	.2	.4	.1	.0							1.0	6.6
NE	.0	.2	.2	.0								1.0	4.3
ENE	.4	.1	.1									.6	3.6
E	1.6	1.1	.7	.2								3.9	4.8
ESE	2.0	3.2	3.1	1.1	.1							11.5	7.0
SE	5.0	5.2	8.2	1.1	.0							19.5	6.2
SSE	1.2	1.5	3.1	.4	.0							6.2	6.8
S	.9	.4	.5									1.9	4.6
SSW	.2	.1	.3	.1	.0							.7	7.4
SW	.3	.2	.2	.0								.8	5.2
WSW	.2	.1	.1	.2								.6	6.9
W	.5	.2	.2	.1	.0							1.1	5.5
WNW	1.9	1.1	1.5	.3	.1							4.9	5.9
NW	3.8	4.5	7.9	2.6	.2	.0						19.2	7.3
NNW	1.2	1.7	6.2	3.8	.5	.1						13.4	9.3
VARBL													
CALM												7.8	
	22.0	21.2	36.8	11.0	1.1	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

7200

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 FORT SIMPSON NWT DUT

57-66

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.8	2.6	.9	.1							7.3	6.7
NNE	.7	.6	1.2	.4	.0							3.0	7.3
NE	1.0	.4	.5	.1								2.0	4.9
ENE	.9	.6	.3									1.8	4.1
E	2.7	1.5	1.1	.2	.0							5.6	4.7
ESE	2.7	3.1	3.7	1.5	.1							13.0	7.1
SE	4.0	4.5	7.3	1.1	.0							17.8	6.3
SSE	1.2	1.2	2.6	.3	.0							5.3	6.6
S	1.1	.8	.9	.1	.0							2.9	5.3
SSW	.6	.8	.9	.2								2.5	6.1
SW	.6	.7	1.0	.3								2.6	6.5
WSW	.3	.4	.6	.2	.0							1.5	7.2
W	.9	.3	.2	.1	.0							1.5	4.8
WNW	1.0	1.0	1.0	.3								3.3	5.7
NW	2.9	3.1	5.2	1.1	.0	.0						12.4	6.6
NNW	1.5	2.0	3.0	2.0	.3	.0						10.9	8.3
VARBL													
CALM												6.7	
	25.1	23.0	35.8	8.7	.6	.0						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

7393

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210 STATION FORT SIMPSON NWT DUT STATION NAME 57-66 YEARS  
JUL MONTH  
ALL CLASS  
ALL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.2	3.2	1.0	.0							9.2	6.4
NNE	.5	.5	1.1	.6	.0							2.7	8.0
NE	.0	.4	.4	.1	.0							1.7	5.1
ENE	.7	.3	.2	.0	.0							1.3	4.5
E	2.5	1.1	.3	.1								4.0	3.8
ESE	2.7	2.3	4.0	.6	.0							9.6	6.2
SE	6.4	5.1	6.5	1.0								19.0	5.7
SSE	1.4	1.5	2.4	.3								5.7	6.2
S	1.9	1.3	1.1	.1								4.4	4.9
SSW	.6	.9	1.0	.1								2.7	6.0
SW	1.3	.7	.8	.1								2.9	4.9
WSW	.0	.4	.3	.1								1.4	5.0
W	1.1	.4	.2									1.6	3.6
WNW	1.2	.8	.9	.1								3.0	5.2
NW	3.1	3.1	4.2	.6	.0							10.9	6.0
NNW	.8	1.9	3.7	1.7	.0	.0						8.2	8.2
VARBL													
CALM												11.5	
	28.6	23.1	30.2	6.4	.2	.0						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 7200

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 FORT SIMPSON NWT DUT

57-66

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	2.8	2.1	2.5	.8	.0	.0						8.3	6.1
NNE	.7	.4	.7	.1								1.8	5.9
NE	1.4	.3	.3	.1	.0							2.0	4.0
ENE	.0	.2	.2	.1	.0							1.0	4.8
E	2.3	1.0	.6	.1								4.0	4.2
ESE	2.2	1.9	2.9	.6								7.6	6.2
SE	3.9	4.4	5.6	1.0	.0							17.0	5.7
SSE	1.5	1.5	1.8	.2								4.9	5.8
S	1.6	1.2	.9	.1	.0							3.8	4.9
SSW	1.0	.7	.6	.1		.0						2.4	5.4
SW	1.2	.8	.8	.1	.0							3.0	5.4
WSW	.5	.3	.6	.2	.0	.0						1.7	6.6
W	1.4	.4	.4	.1								2.3	4.1
WNW	1.5	.9	1.2	.2								3.8	5.5
NW	4.1	3.5	5.0	1.2	.1	.0						13.9	6.3
NNW	1.0	2.1	4.6	2.0	.4	.1						10.8	8.4
VARBL													
CALM												11.8	
	30.3	21.8	28.6	6.8	.6	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

7440

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION PORT SIMPSON NWT DUT STATION NAME 37-66 YEARS  
AUG MONTH  
ALL CLASS  
HOURS (L & T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.4	2.2	.5	.1							6.6	6.1
NNE	.6	.5	.6	.1								1.7	5.9
NE	.7	.3	.2									1.2	3.9
ENE	.7	.1	.1	.0								1.0	3.5
E	2.7	.9	.6	.1								4.2	4.0
ESE	3.1	2.9	3.9	.5	.0							10.4	5.9
SE	6.1	4.8	5.5	.3								16.7	5.3
SSE	2.1	1.9	2.3	.2								6.4	5.7
S	2.5	1.1	.8	.1								4.9	4.2
SSW	.8	.7	.8	.1								2.3	5.9
SW	1.0	.6	.6	.2								2.4	5.3
WSW	.6	.3	.2	.1								1.2	4.8
W	1.4	.5	.4	.1								2.4	4.4
WNW	1.6	1.0	1.3	.5	.1							4.4	6.2
NW	3.4	3.1	4.5	1.4	.1							12.5	6.6
NNW	1.9	2.1	4.0	1.7	.3	.0						10.0	7.8
VARBL													
CALM												12.1	
	31.2	22.1	28.0	5.7	.5	.0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 7440

1  
2 DATA PROCESSING DIVISION  
ETAC/USA  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2621C STATION FORT SIMPSON NWT DUT 57-66 SEP  
STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.1	1.9	.7	.0	.0						5.6	6.5
NNE	.7	.4	.4	.1	.0							1.6	5.2
NE	.7	.3	.2	.0								1.2	4.1
ENE	.6	.2	.1									.9	3.7
E	1.9	.7	.9	.2								3.7	4.9
ESE	1.8	1.7	3.9	.9	.0							8.4	7.1
SE	4.8	4.9	8.4	1.1	.0							19.3	6.4
SSE	1.8	2.0	3.5	.3	.0							7.6	6.3
S	1.8	.7	.5	.0								3.1	4.1
SSW	.7	.5	.2	.0								1.5	4.3
SW	.9	.5	.3	.0								1.7	4.4
WSW	.6	.4	.4	.1								1.5	3.6
W	1.6	.6	.3	.0								2.5	3.7
WNW	1.4	.7	.9	.1	.1	.0						3.2	5.7
NW	3.5	3.5	5.3	1.3	.3							13.9	6.7
NNW	1.5	2.2	3.4	2.3	.2	.0						11.6	8.4
VARBL													
CALM												12.8	
	26.2	20.4	32.6	7.1	.7	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 7200

1  
2DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MACPERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

2621G STATION FORT SIMPSON NWT DUT 57-66 YEARS OCT MONTH  
ALL WEATHER CLASS 4LL HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.4	1.6	.3	.0							4.8	5.9
NNE	.5	.2	.3	.1								1.1	5.2
NE	.8	.2	.1									1.1	3.2
ENE	.2	.1	.1									.4	4.0
E	1.2	.7	.6	.1	.0							2.6	4.7
ESE	1.7	1.6	3.2	1.0	.1							7.5	7.2
SE	5.2	5.5	10.6	1.8	.0							23.2	6.7
SSE	1.5	1.9	2.5	.4	.0							6.4	6.3
S	2.1	.6	.3	.0								3.0	3.6
SSW	.4	.1	.1	.0								.7	4.3
SW	.8	.3	.3	.0								1.4	4.4
WSW	.6	.3	.3	.1								1.4	5.3
W	2.9	.6	.3	.1								3.9	3.5
WNW	2.0	.9	1.2	.5	.0							4.6	5.7
NW	4.5	4.2	5.8	2.1	.3							17.0	6.8
NNW	1.3	2.0	3.0	2.2	.4	.0						10.9	8.6
VARBL													
CALM												10.0	
	27.4	20.8	32.3	8.7	.9	.0						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 7440



2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26210  
STATION

FORT SIMPSON NWT DUT  
STATION NAME

57-66  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.9	2.1	1.0	.1							5.3	7.8
NNE	.2	.1	.1	.0								.4	4.5
NE	.5	.1	.0									.7	3.2
ENE	.2	.0	.0									.2	3.1
E	.9	.3	.2	.0								1.4	3.8
ESE	1.0	1.1	1.4	.1								3.6	5.7
SE	3.4	3.4	6.8	1.1	.0							14.7	6.6
SSE	2.1	1.7	2.7	.4								6.8	5.9
S	2.6	1.0	.7	.0								4.3	3.9
SSW	.7	.1	.0	.0								.9	3.2
SW	1.1	.1	.0									1.2	2.9
WSW	.8	.1	.0									.9	2.8
W	3.4	1.0	.2									4.6	3.3
WNW	2.6	1.8	1.7	.2	.0							6.4	4.2
NW	4.6	4.3	8.6	2.0	.1							19.8	6.8
NNW	1.3	2.2	6.4	2.8	.5	.0						13.2	8.8
VARBL													
CALM												15.8	
	26.5	18.4	30.9	7.6	.7	.0						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 7200

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

26210  
STATIONFORT SIMPSON NWT DUT  
STATION NAME57-66  
YEARSDEC  
MONTHALL WEATHER  
CLASSALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.4	1.1	.6	.0							3.2	6.9
NNE	.2	.0	.1									.4	4.9
NE	.3	.0										.3	2.5
ENE	.3	.0										.3	2.6
E	.7	.2	.3	.0								1.2	4.4
ESE	1.6	1.2	1.8	.3								4.8	5.9
SE	5.0	3.7	5.1	.9	.0							14.7	5.8
SSE	1.8	1.5	2.5	.3								6.1	6.0
S	1.3	.4	.4	.0								2.1	4.0
SSW	.3	.1	.1	.0								.7	4.1
SW	.0	.1	.1	.0								.8	3.7
WSW	.4	.1	.1									.6	4.0
W	1.7	.3	.1	.0								2.0	2.9
WNW	3.7	1.6	2.2	.5	.0							8.0	5.3
NW	6.1	6.2	9.8	1.6	.3	.1	.0					24.1	6.6
NNW	1.9	1.5	3.7	1.9	.4							9.4	8.1
VARBL													
CALM												21.2	
	27.0	17.4	27.4	6.1	.8	.1	.0					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

7440

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210 FORT SIMPSON NWT DUT 57-66 JAN  
STATION STATION NAME YEARS MONTH  
ALL WEATHER CLASS  
0000-0200 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.2	.9	.3								2.2	7.0
NNE	.1											.1	3.0
NE	.4											.4	2.3
ENE	.1											.1	2.0
E	1.2	.2	.1									1.5	3.6
ESE	1.7	.5	2.6	.1								4.9	5.8
SE	4.7	3.2	6.0	1.3								15.3	6.3
SSE	1.9	1.0	1.4	.2	.1							4.6	5.5
S	.8	.4	.4									1.6	4.3
SSW		.1										.1	6.0
SW	.4		.3									.8	5.3
WSW	.2											.2	3.0
W	2.2	.8	.1									3.0	3.4
WNW	2.2	2.4	3.0	.6	.1							8.3	6.3
NW	6.1	6.1	8.2	2.5	.3							23.2	6.7
NNW	3.1	1.4	4.8	1.4	.1	.1						11.0	7.6
VARBL													
CALM												22.7	
	25.9	16.3	27.8	6.5	.6	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26212 STATION FULT SIMPSON NWT OCT 57-66 YEARS JAN MONTH  
 ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.3	1.1	.3								2.8	6.2
NNE	.2	.1										.3	3.3
NE	.5											.5	2.4
ENE	.1											.1	1.0
E	.8	.1										.9	2.8
ESE	1.1	.8	1.1	.1								3.0	5.7
SE	4.3	4.5	5.1	1.2								15.1	6.0
SSE	1.4	1.0	1.2	.3								3.9	5.8
S	1.0	.5	.3									1.8	4.6
SSW	.1		.2	.1								.4	8.0
SW	.2		.3									.5	6.4
WSW	.3	.1										.4	3.5
W	2.3	.1										2.4	2.7
WNW	3.2	2.6	3.0	.6								9.5	5.7
NW	6.6	6.0	8.7	2.3	.5							24.1	6.8
NNW	1.6	1.5	5.1	1.3	.1	.4	.1					10.1	8.9
VARBL													
CALM												24.2	
	24.7	17.6	26.0	6.2	.6	.4	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210 STATION NAME 57-66 YEARS JAN MONTH  
 ALL WEATHER CLARE  
 CONDITION  
 0600-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.3	.4	.1								2.5	4.3
NNE		.1										.1	5.0
NE	.3											.3	2.0
ENE	.1											.1	2.0
E	1.5		.1									1.5	3.1
ESE	2.0	.8	1.3	.2								4.3	5.2
SE	4.7	2.2	5.5	1.3								13.7	6.1
SSE	1.9	1.3	1.9									5.2	5.3
S	1.1	.3	.9									2.3	5.0
SSW	.2											.2	2.3
SW	.2	.1										.3	2.3
WSW	.4		.1									.5	3.6
W	2.3	.2	.1									2.6	3.0
WNW	2.0	1.8	3.1	.5	.1							7.6	6.4
NW	6.1	5.1	11.1	1.5	.1							23.8	6.3
NNW	2.5	1.6	5.8	1.9	.5	.5						12.9	8.7
VARBL													
CALM												22.3	
	26.8	13.8	30.3	5.6	.8	.5						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

2

ATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

2621 STATION 2621-1000 STATION NAME FIRST SIMPSON NWT DDT 57-66 YEARS JAN MONTH  
 ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.6	1.6	.4	.2	.1						4.1	8.0
NNE	.1											.1	1.0
NE	.3											.3	2.3
ENE	.1	.1										.2	4.0
E	1.1	.1										1.2	2.8
ESE	1.6	1.2	1.3	.3								4.4	5.9
SE	6.9	3.1	4.4	.4								14.8	5.3
SSE	1.8	1.0	2.7	.3								5.8	6.0
S	1.5		.5	.1								2.2	4.3
SSW	.1		.2									.3	6.7
SW													
WSW													
W	1.9	.1										2.0	2.7
WNW	2.9	1.8	3.0	.8								8.5	6.0
NW	7.1	6.1	8.6	2.4	.1							25.1	6.3
NNW	2.4	1.4	3.0	2.6	.8	.1						10.1	9.0
VARBL													
CALM												20.9	
	29.0	15.0	25.4	7.3	1.1	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210 STATION      PORT STIMPSON NAT BDT STATION NAME      57-66 YEARS      JAN MONTH  
CLASS ALL WEATHER      1200-1400 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	2.2	.9								4.1	8.7
NNE	.2		.2									.4	5.8
NE													
ENE	.3											.3	2.3
E	.6	.3	.2									1.2	4.3
ESE	1.6	.4	2.4	.1								4.3	6.4
SE	3.9	5.3	5.3	.8								15.2	5.9
SSE	.8	1.1	2.6									4.4	6.4
S	1.5	.5	.9									2.9	4.3
SSW	.3	.1	.1									.5	4.6
SW	.3		.2	.1								.6	6.7
WSW	.4	.1		.1								.6	4.3
W	1.7	.4	.1									2.3	3.0
WNW	2.5	2.4	3.2	.9	.2							9.1	6.4
NW	8.4	6.6	9.1	2.3								26.3	6.2
NNW	1.3	1.4	4.2	2.5	.6							10.0	9.1
VARBL													
CALM												17.4	
	24.4	19.1	30.6	7.3	.9							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
 DTIC/USAF  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NWT DUT 57-66 YEARS JAN MONTH  
 1500-1700 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8	.5	.4	.4	.1						3.7	8.9
NNE	.1		.2									.3	6.3
NE	.4	.1	.1									.6	3.5
ENE	.1											.1	2.0
E	.6	.3	.2									1.2	3.9
ESE	1.7	.2	1.5	.2								3.7	5.8
SE	5.5	2.6	6.9	.3								15.3	5.7
SSE	1.4	1.1	2.2									4.6	5.9
S	1.3	.1	.4	.1								1.7	4.4
SSW	.1		.2	.2								.5	8.8
SW	.5		.3									.9	5.4
WSW	.7	.1										.6	3.5
W	1.6	.2	.3									2.4	3.2
WNW	3.5	2.9	2.9	.6	.2							10.3	5.9
NW	4.5	6.2	8.0	2.0	.2							25.9	6.0
NNW	1.0	.9	3.5	3.1	.1							9.2	9.0
VARBL													
CALM												19.4	
	24.6	15.5	27.3	7.2	1.0	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

930



2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210 STATION FORT SIMPSON NWT DUTY 57-66 YEARS  
JAN MONTH  
1800-2000 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.1	.6	.4	.2							1.9	8.9
NNE	.2		.1									.3	3.7
NE	.3											.3	1.7
ENE	.4	.1										.5	2.6
E	1.0		.3									1.3	4.0
ESE	1.9	1.0	1.5	.2								4.6	5.3
SE	2.9	2.8	6.0	1.3								13.0	6.7
SSE	2.4	.9	2.3	.1								5.6	5.4
S	.9	.2	.3									1.4	4.2
SSW	.5		.1	.1								.8	4.9
SW	.3	.1	.2	.1								.8	6.6
WSW	.3											.3	2.3
W	1.7	.1	.2									2.0	2.9
WNW	4.2	3.9	3.7	.4	.3							12.5	5.8
NW	7.7	5.9	8.6	1.3	.2							23.8	6.0
NNW	2.4	2.2	5.2	1.3	.1							11.1	7.5
VARBL													
CALM												19.6	
	27.7	17.2	29.1	5.3	.9							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26210  
STATION

FORT SIMPSON NWT OUT  
STATION NAME

57-66  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.E.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.2	.3	.5								2.0	6.5
NNE													
NE	.6		.1									.8	3.4
ENE	.1											.1	3.0
E	1.5	.4	.1									2.0	3.2
ESE	1.0	.9	2.7	.1	.2							4.8	6.9
SE	4.7	2.9	5.3	1.4	.1							14.4	6.2
SSE	1.0	1.2	1.4	.1	.1							3.8	6.2
S	1.0	.1	.1									1.2	3.1
SSW	.2											.2	2.0
SW	.4	.2	.2	.2								1.1	6.1
WSW	.3											.3	2.3
W	1.0	.5	.1									2.5	3.1
WNW	3.5	3.0	3.8	1.0								11.3	6.0
NW	6.6	5.1	8.3	1.9								21.8	6.3
NNW	3.9	1.9	3.8	1.8	.1		.1					11.6	7.0
VARBL													
CALM												22.0	
	27.6	16.5	26.1	7.1	.5		.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NWT DDT

57-66

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.4	1.1	.2	.2							3.0	7.5
NNE	.2	.1										.4	3.7
NE	.2											.7	2.0
ENE	.1											.1	3.0
E	1.1	.5	.1									1.7	3.2
ESE	.8	1.5	2.7	.1								5.2	6.4
SE	6.0	4.5	7.7	.7	.1							19.0	6.0
SSE	1.3	1.3	2.4	.1								5.1	5.7
S	.7		.1									.8	3.0
SSW	.2	.1	.4									.7	5.8
SW	.1	.1		.1								.4	6.3
WSW	.5		.2									.7	4.3
W	1.4	.4	.2									2.0	3.5
WNW	3.1	2.1	2.5	.1								7.8	5.3
NW	5.8	5.0	9.8	2.0	.2							22.8	6.5
NNW	1.8	1.3	5.4	3.0	.1							11.6	8.4
VARBL													
CALM												18.6	
	24.5	17.3	32.6	6.4	.7							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

946

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210 STATION FORT SIMPSON NWT DDT 57-66 YEARS FEB MONTH  
0300-0500 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.4	.6	.6								3.2	6.6
NNE	.4											.4	2.3
NE	.6											.6	2.8
ENE	.1											.1	3.0
E	.8	.7	.1									1.7	3.7
ESE	1.8	.9	2.2	.5								5.4	6.4
SE	6.1	4.1	6.1	.8	.1							17.4	5.7
SSE	1.5	1.3	2.5	.1								5.4	6.0
S	.9	.2	.2									1.4	3.8
SSW	.1	.1										.2	3.5
SW	.2	.1	.2	.2								.8	8.7
WSW	.2	.2	.1									.6	5.2
W	.8		.4									1.2	4.4
WNW	3.9	2.1	3.3	.9								10.3	5.8
NW	8.3	4.4	8.6	1.4								22.7	5.9
NNW	2.5	1.5	5.4	2.2	.2							11.9	7.9
VARBL													
CALM												16.7	
	29.8	16.2	29.9	7.1	.4							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 846

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DUT  
STATION NAME57-66  
YEARSFEB  
MONTHALL WEATHER  
CLASS0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.2	.7	.5	.5							2.6	9.2
NNE													
NE	.2											.2	2.5
ENE	.5		.1									.6	3.6
E	.9	.5	.1									1.5	3.7
ESE	2.2	2.0	3.0	.1								7.3	5.7
SE	5.4	4.3	3.7	.7	.1							14.2	5.5
SSE	1.4	1.1	3.4	.4								6.3	6.7
S	.4	.1	.2									.7	5.2
SSW	.4		.1									.5	4.0
SW	.5		.1	.1								.7	5.3
WSW	.2		.1	.2								.6	7.8
W	1.4	.5	.1									2.0	3.4
WNW	3.2	2.4	1.8	.6								7.9	5.5
NW	6.5	5.4	9.7	1.8								23.4	6.3
NNW	1.7	1.8	6.3	2.4	.4							12.4	8.2
VARBL													
CALM												19.0	
	25.7	18.2	29.4	6.7	.9							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

846

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ IAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
STATION

FORT SIMPSON NWT DDT  
STATION NAME

57-66  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.6	.7	.1								2.4	5.3
NNE	.1			.1								.2	6.0
NE	.5											.5	2.5
ENE	.2											.2	3.0
E	1.2	.2	.2									1.7	3.9
ESE	2.0	1.1	2.1	.6								5.8	6.2
SE	5.1	4.0	6.5	1.4								17.0	6.4
SSE	.9	.9	2.0	.5								4.4	6.7
S	.7	.5	.5									1.7	4.9
SSW	.1											.1	1.0
SW	.2		.2	.2								.7	8.2
WSW	.1		.1	.1								.4	8.3
W	1.3											1.3	2.1
WNW	2.5	1.7	1.4	.5								6.0	5.3
NW	6.4	5.7	13.8	1.9								27.8	6.6
NNW	1.9	2.2	4.5	3.2	.2							12.1	8.3
VARBL													
CALM												17.8	
	24.2	16.9	32.2	8.6	.2							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

846

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DDT  
STATION NAME57-66  
YEARSFEB  
MONTHALL WEATHER  
CLASS1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.5	2.4	.4								4.3	7.1
NNE	.1											.1	1.0
NE													
ENE	.1	.1										.2	3.5
E	1.5	.6	.2									2.4	3.8
ESE	2.4	1.8	2.5	.7								7.3	6.1
SE	6.1	3.0	6.9	.7	.2							16.9	6.0
SSE	2.4	1.3	2.0	.6								6.3	6.0
S	1.3	.6	.1									2.0	3.6
SSW	.8	.2										1.1	3.0
SW	.2	.1	.2									.6	4.6
WSW	.2	.1	.4									.7	6.0
W	.9	.2										1.2	2.9
WNW	1.6	2.1	1.1	.6								5.6	5.7
NW	6.1	6.4	10.6	1.3	.1							24.6	6.4
NNW	1.3	1.9	6.1	3.8	.6							13.7	9.2
VARBL													
CALM												13.1	
	26.5	18.9	32.5	8.0	.9							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

846

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
STATION

FORT SIMPSON NWT OUT  
STATION NAME

57-66  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	.4	2.4	.4								5.2	6.1
NNE	.4			.2								.6	6.2
NE	.2		.1									.4	4.7
ENE	.1											.1	2.0
E	1.8	.6	.5	.1								3.0	4.1
ESE	2.2	1.5	3.3	.5								7.6	6.1
SE	5.2	4.1	6.3	.5	.4							16.4	5.9
SSE	2.0	1.1	2.6	.4								6.0	6.4
S	1.2	1.2	.1									2.5	4.0
SSW	.1											.1	2.0
SW	.1	.4	.1									.6	4.8
WSW	.1			.1								.2	7.5
W	1.1	.2	.2									1.5	3.8
WNW	3.2	1.7	1.5	.1								6.5	4.7
NW	7.2	5.4	9.2	1.5								23.4	6.2
NNW	2.2	1.9	5.4	3.4	.5							13.5	8.7
VARBL													
CALM												12.4	
	29.3	18.4	31.8	7.2	.8							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

846



2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

20210  
STATION

FORT SIMPSON NWT DUT  
STATION NAME

57-66  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1600-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.4	1.1	.7	.4							3.2	8.4
NNE	.2											.2	2.0
NE													
ENE	.1											.1	3.0
E	1.4	.1	.1									1.7	2.9
ESE	1.5	3.1	4.6	.6								9.8	6.6
SE	6.0	3.9	6.3	.9	.1							17.3	5.7
SSE	1.3	1.1	1.8		.1							4.3	5.8
S	.6	.2	.5									1.3	5.3
SSW	.6	.2										.7	3.0
SW	.2	.4	.2									.3	5.3
WSW	.5		.1									.6	3.8
W	1.7	.2	.1									2.0	3.1
WNW	2.7	1.9	1.8	.2								6.6	5.1
NW	7.0	6.7	10.0	1.1	.2							25.1	6.1
NNW	1.7	2.0	4.3	1.9	.2	.1						10.2	8.2
VARBL													
CALM												16.1	
	26.2	20.2	30.9	5.4	1.1	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

846

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DIT  
STATION NAME47-66  
YEARSFEB  
MONTHALL WEATHER  
CLASS2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	1.1	.8	.1							3.2	4.4
NNE	.1											.1	2.0
NE	.2	.1										.4	3.0
ENE													
E	.7	.5	.2									1.4	4.4
ESE	2.2	1.5	3.2	.1								7.1	5.9
SE	5.4	4.6	6.9	.9								17.8	5.9
SSE	1.5	2.2	1.9	.5								6.1	6.1
S	.7	.5	.2									1.4	4.4
SSW													
SW	.6	.2	.4									1.2	4.6
WSW	.6		.1									.7	3.2
W	.7	.5	.5									1.7	4.6
WNW	2.7	2.2	1.7	.2								6.9	4.9
NW	4.5	6.7	10.4	1.7	.4							23.6	6.9
NNW	1.2	1.3	5.2	1.9	.4							9.9	8.7
VARBL													
CALM												18.4	
	21.7	21.2	31.7	6.1	.8							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

846

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
STATION

FORT SIMPSON N-7 DUTY  
STATION NAME

57-66  
YEARS

AR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.0	1.1	.8	.2							5.2	6.5
NNE	.2											.2	2.0
NE	.3											.3	2.7
ENE	.1	.1										.2	3.3
E	1.7	1.1	.8									3.5	4.4
ESE	1.7	1.7	3.8	.8								8.0	6.9
SE	6.3	3.4	7.7	1.0								20.4	5.9
SSE	1.6	1.1	1.6									4.3	5.1
S	.6		.3									1.0	4.4
SSW	.1											.1	3.0
SW	.3	.2										.5	3.8
WSW		.3	.1									.6	3.2
W	.3	.1	.1									1.0	3.2
WNW	2.3	1.1	3.9	1.1								8.5	6.9
NW	4.3	6.2	9.4	1.7								21.6	6.5
NNW	1.4	2.4	4.1	1.4	.3							9.6	7.8
VARBL													
CALM												14.9	
	24.2	20.9	32.8	6.7	.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210

STATION

FORT SIMPSON NWT DUT

STATION NAME

57-66

YEARS

MAR

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.8	1.2	1.3								4.5	7.5
NNE	.3	.1		.2								.5	7.0
NE	.1											.1	3.0
ENE	.4											.4	2.5
E	.9	.5	.3									1.7	4.2
ESE	2.0	2.7	2.7	.3								7.7	5.7
SE	4.7	5.2	8.5	.5								18.9	6.1
SSE	1.5	1.5	2.5	.1								5.6	6.1
S	1.0	.2	.3									1.5	3.9
SSW	.2											.2	2.5
SW	.3											.3	2.0
WSW	.1											.1	2.0
W	.4	.4	.2									1.5	3.9
WNW	3.0	2.4	3.5	.5								9.5	6.0
NW	5.4	6.0	10.5	1.6								23.5	6.5
NNW	1.4	1.5	3.9	1.7	.2							8.5	8.3
VARBL													
CALM												14.9	
	23.7	21.3	33.5	6.3	.2							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

26210  
 STATION

FORT SIMPSON NWT DIST  
 STATION NAME

57-66  
 YEARS

MAR  
 MONTH

ALL WEATHER  
 CLASS

0600-0800  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.1	1.2	.2								3.8	5.7
NNE	.1											.1	2.0
NE	.1	.1										.2	3.0
ENE	.2											.2	3.0
E	1.2	.2	.1									1.5	2.9
ESE	2.3	1.5	2.6	.3								6.7	5.9
SE	6.1	6.2	7.1	1.1								20.5	5.7
SSE	1.2	1.1	1.8	.1								4.7	6.2
S	.6	.2	.4									1.3	4.8
SSW		.1										.1	6.0
SW	.2											.7	2.5
WSW													
W	.5	.5										1.1	3.3
WNW	2.3	1.5	3.5	.5								8.1	6.2
NW	8.0	7.4	10.0	1.9								27.3	6.0
NNW	1.3	1.5	4.6	2.9	.1							10.4	8.8
VARBL													
CALM												14.3	
	23.6	21.5	31.4	7.1	.1							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210 STATION FORT SIMPSON NWT DIST 57-66 YEARS MAR  
ALL WEATHER CLASS MONTH  
0900-1100 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.6	.8	.6								3.1	6.6
NNE	.1	.1	.2									.4	6.5
NE	.1	.1										.2	3.5
ENE	.2											.2	2.0
E	1.3	.3	.9									2.5	4.9
ESE	2.0	1.7	2.4	.6								6.8	6.1
SE	5.3	4.4	7.3	1.1								18.1	6.1
SSE	.8	.9	3.9	.4								5.9	7.7
S	.6	.3	.1	.1								1.3	4.0
SSW	.3											.3	2.0
SW	.1		.1									.2	5.5
WSW	.2		.1									.3	3.7
W	.2	.2	.1									.4	4.2
WNW	2.0	1.2	2.0	.2								5.5	5.5
NW	7.0	7.0	13.7	1.8								29.5	6.6
NNW	1.2	2.7	5.6	4.1	.4							14.0	8.9
VARBL													
CALM												11.2	
	22.7	19.6	37.1	9.0	.4							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

20210 FORT SIMPSON NAT DOT

57-66

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.8	2.2	1.1	.1							7.2	6.8
NNE	.2		.1									.3	3.7
NE	.4											.4	2.4
ENE	.3	.1										.4	2.1
E	3.0	.9	.6		.1							4.6	4.1
ESE	1.9	2.6	3.5	.6								8.7	6.5
SE	3.4	3.9	6.3	.9								14.9	6.7
SSE	.9	1.2	4.0	.3								6.3	7.6
S	1.3	.2	.5	.3								2.4	5.5
SSW	.2	.1										.3	3.0
SW	.3											.3	2.3
WSW		.1	.3									.4	8.3
W	.1	.2	.1									.4	4.5
WNW	1.1	1.6	2.6	.3								5.6	6.4
NW	5.6	7.2	10.5	1.7								25.1	6.5
NNW	2.3	2.2	5.5	4.5	.5							14.9	8.8
VARBL													
CALM												7.5	
	23.5	22.0	36.3	9.8	.8							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
STATION

FORT SIMPSON NWT DDT  
STATION NAME

57-66  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.0	2.7	1.0	.2							8.5	6.6
NNE	.3	.1	.4									.9	5.4
NE	.2	.2										.4	3.5
ENE	.3											.3	3.0
E	1.5	.4	.5									2.5	4.1
ESE	1.6	1.6	3.8	.4								7.4	6.6
SE	3.3	3.5	8.2	1.4	.1							16.6	7.1
SSE	.8	1.2	2.4	.4								4.7	7.1
S	1.1	.9	1.1	.2								3.2	6.0
SSW	.3	.6	.2	.1								1.3	5.8
SW	.5	.1	.2	.1								1.0	5.0
WSW	.2	.2		.1								.6	4.8
W	.3	.2										.5	3.4
WNW	1.3	1.8	1.4	.1								4.6	5.3
NW	5.0	7.8	9.4	1.5								24.3	6.2
NNW	1.4	3.0	7.7	3.5	.4							16.7	8.4
VARBL													
CALM												6.5	
	21.9	24.0	38.0	8.9	.8							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

920



2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NWT DUT 57-66 YEARS MAR MONTH  
1800-2000 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.4	1.8	.5	.2							6.6	6.1
NNE	.8	.1	.4									1.3	4.3
NE	.3											.3	2.7
ENE	.8	.1										.9	2.9
E	1.0	.2	.8	.1								2.0	3.4
ESE	1.0	1.2	4.3	.6	.3							7.4	7.9
SE	3.1	5.9	7.2	1.5								17.7	6.7
SSE	.5	1.0	.9	.3								2.7	6.2
S	.6	1.3	1.2									3.1	3.7
SSW	.3	.1										.4	3.0
SW	.6	.4	.3									1.4	4.5
WSW	.1	.3	.1	.3								.9	7.9
W	1.1	.1	.1									1.3	3.0
WNW	2.7	3.2	1.9	.2								8.1	5.2
NW	5.5	5.7	8.7	.9								20.8	6.0
NNW	3.5	3.9	6.2	1.4								15.1	6.7
VARBL													
CALM												10.1	
	24.5	24.9	34.0	5.9	.5							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATION

FORT SIMPSON NWT DUT  
STATION NAME

57-66  
YEARS

1 AR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.9	1.4	.3	.2							4.1	6.7
NNE	.1	.1	.1	.1								.4	7.3
NE	.1	.1										.2	4.0
ENE	.2	.1	.1									.4	5.0
E	1.0	.5	.5									2.0	4.6
ESE	1.4	1.6	4.1	1.0	.2							8.3	7.6
SE	4.5	4.6	9.6	1.2	.1							20.0	6.8
SSE	1.1	.5	1.0	.2								2.8	5.6
S	.5	.5	.8									1.8	5.4
SSW													
SW	.4	.1										.5	2.2
WSW	.1	.3	.2									.9	5.4
W	1.3	.2	.2									1.7	3.7
WNW	3.8	1.5	3.8	.5								9.6	5.8
NW	4.7	6.1	8.4	1.3	.1							20.6	6.2
NNW	2.5	2.3	4.3	1.8	.3							11.2	7.5
VARBL													
CALM												15.4	
	23.0	19.8	34.4	6.5	1.0							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

20210  
STATIONFORT SIMPSON NWY DUT  
STATION NAME57-66  
YEARSAPR  
MONTHALL WEATHER  
CLASS0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.8	1.3	.8	.4							4.2	7.7
NNE	.2	.2	.1									.6	4.6
NE	1.1	.1	.1									1.3	3.2
ENE	.6	.2										.8	3.7
E	1.2	1.2	1.1									3.6	4.9
ESE	2.2	3.7	7.4	.9								14.2	6.8
SE	6.2	4.4	10.7	1.0								22.3	6.1
SSE	1.0	1.3	1.4	.1								3.9	5.8
S	.6	.1	.2									.9	3.8
SSW													
SW	.3	.2	.1									.7	4.7
WSW	.2	.2										.4	4.0
W	.9	.2										1.1	3.0
WNW	2.2	1.4	2.2	.1								6.0	5.3
NW	3.1	4.7	7.4	2.3	.2							19.8	6.8
NNW	1.9	1.1	4.1	2.2	.4	.1						9.9	8.6
VARBL													
CALM												10.3	
	24.4	20.0	36.3	7.4	.9	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
STATION

FORT SIMPSON NWT DDT  
STATION NAME

57-66  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.3	1.3	.3								3.8	6.0
NNE	.4		.1									.6	3.6
N.	.4											.4	1.8
ENE	.4		.1									.6	3.8
E	1.7	.4	.6	.4								3.1	3.4
ESE	1.9	3.9	6.3	.7								12.8	6.8
SE	6.2	5.9	7.3	.7								20.1	5.7
SSE	1.1	1.9	3.1	.1								6.2	6.2
S	.7	.2	.1									1.0	4.0
SSW			.1									.1	7.0
SW	.1	.1	.2	.1								.6	6.6
WSW	.2	.1										.3	3.7
W	.7	.1	.2									1.0	4.1
WNW	4.2	1.9	1.6	.4								8.1	4.7
NW	4.1	4.6	9.1	3.3	.4							21.4	7.6
NNW	.9	1.0	3.8	2.3	.8	.1						8.9	9.8
VARBL													
CALM												11.0	
	24.8	20.4	34.0	8.4	1.2	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DDT  
STATION NAME57-66  
YEARSAPR  
MONTHALL WEATHER  
CLASS0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.7	.4	.4								2.1	6.8
NNE	.1	.1	.1	.1								.4	7.0
NE	.1		.1									.2	4.5
ENE	.6	.1										.7	2.5
E	1.2	.8	.4	.3								2.9	5.1
ESE	1.8	2.7	4.0	.9	.1							9.4	6.8
SE	5.7	6.7	11.3	.4								24.1	6.1
SSE	1.2	1.6	3.2	.1								6.1	6.4
S	.4	.2	.1									1.2	3.3
SSW	.2	.1										.3	3.3
SW			.1									.1	7.0
WSW	.1	.1	.2	.2								.7	8.3
W	.6	.3	.3									1.2	4.5
WNW	1.3	2.4	2.3	.6								6.7	6.2
NW	4.0	4.8	8.3	4.6	.6							22.2	7.9
NNW	.7	1.0	6.4	3.9	.6							12.6	10.1
VARBL													
CALM												9.0	
	19.1	21.6	37.6	11.6	1.2							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
STATION

FORT SIMPSON NWT DDT  
STATION NAME

57-66  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.6	1.9	.8								4.1	7.6
NNE	.2		.2									.4	6.3
NE	.4											.4	2.5
ENE	.3		.1									.4	3.8
E	2.3	1.4	.6	.1								4.4	4.5
ESE	2.1	3.1	4.0	.6	.1							9.9	6.5
SE	3.7	7.0	6.6	1.6								20.8	6.0
SSE	.8	1.6	3.9	.8								7.0	8.0
S	.4	.6	.6									1.6	3.6
SSW	.2		.6		.1							.9	8.4
SW	.3	.1	.2									.7	4.3
WSW		.1		.6								.7	12.2
W	.1	.2	.2	.1	.1							.8	9.0
WNW	.6	.3	1.2	.3	.3							2.8	8.5
NW	4.8	4.1	11.1	4.0	.2							24.2	7.9
NNW	.6	1.8	5.6	5.2	.4	.1						13.7	10.1
VARBL													
CALM												7.2	
	19.8	20.9	36.7	14.0	1.3	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION NAME FT SIMPSON NWT DUTY 57-64 YEARS APR MONTH  
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.6	3.3	1.4	.1							7.1	7.9
NNE	.5		.2	.1								.7	6.5
NE	.7	.2	.1									1.0	4.0
ENE	.6	.2										.8	3.0
E	3.8	1.7	.8	.2								6.4	4.2
ESE	1.4	2.0	2.7	.7	.1							7.4	6.8
SE	4.4	4.1	7.9	1.4	.1							18.0	6.7
SSE	.4	1.7	4.4	1.0	.1							7.7	8.2
S	.6	.7	1.0									2.2	5.8
SSW		.1	1.0	.4	.1							1.7	10.2
SW	.6	.4	.3	.2								1.6	5.6
WSW	.2	.1	.2	.1								.7	6.3
W	.3		.2	.6								1.1	9.4
WNW	.6	.3	1.1	.3	.2							2.6	8.4
NW	2.3	5.1	9.3	3.0								19.8	7.6
NNW	1.1	1.7	7.9	5.4	.4	.2						16.8	9.8
VARBL													
CALM												4.6	
	19.2	19.4	40.6	12.0	1.2	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 900

2

DATA PROCESSING DIVISION  
ETAC/USA  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

26210 POINT SIMPSON NAT DET

57-66

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.3	3.3	1.4	.3							9.8	7.4
NNE		.1	.9	.2								1.2	8.6
NE	.7	.6	.4									1.7	4.8
ENE	.4		.1									.6	3.6
E	1.9	1.0	.8	.1								3.8	4.7
ESE	1.3	3.0	4.7	1.1								10.1	7.6
SE	2.7	4.0	6.8	1.9								14.3	7.1
SSE	.9	1.7	4.0	.8								7.4	7.6
S	1.0	1.0	1.0									3.0	5.3
SSW	.4	.6	.8	.1								1.9	6.7
SW	.6	.2	.4									1.2	5.0
WSW	.1	.2	.1	.4								.9	8.6
W	.1	.1	.3	.3								.9	9.1
WNW	.6	.2	.8	.4	.2							2.2	9.0
NW	2.9	4.1	7.8	1.6	.1	.1						16.6	7.0
NNW	1.1	2.7	9.0	5.4	.7							18.9	9.4
VARBL													
CALM												4.7	
	17.0	21.8	41.2	13.9	1.3	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

900



2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NWY DPT 57-66 YEARS APR MONTH  
CLASS ALL WEATHER 1800-2000 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.4	2.8	1.0	.1							2.4	6.4
NNE	.4	.6	1.3	.3	.1							2.5	7.6
NE	.9	.1	.7	.1								1.8	5.4
ENE	.1		.1									.2	5.0
E	1.4	1.0	.8									3.2	4.7
ESE	2.1	3.0	5.2	2.7	.1							13.1	7.8
SE	4.4	5.3	6.0	.7					9			16.4	5.9
SSE	1.9	1.6	3.3	.3								7.1	6.1
S	1.7	.7	.6									2.9	4.2
SSW	.4	.1										.6	3.4
SW	.6	.6	.2									1.3	4.9
WSW	.1	.1										.2	3.5
W	1.5	.2	.2									1.4	3.7
WNW	1.6	.8	1.0		.2							3.6	5.6
NW	3.0	3.2	6.0	.8	.1							13.1	6.5
NNW	1.8	2.4	8.4	3.2								15.9	3.2
VARBL													
CALM												6.8	
	23.7	23.1	36.7	9.1	.7							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210 STATION PORT SIMPSON NAT BOT STATION NAME 57-66 YEARS APR MONTH  
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.4	2.1	.8	.1							6.9	6.5
NNE	.8	.2	.6									1.6	4.9
NE	.8	.3	.1	.2								1.4	5.1
ENE	.1	.3										.4	4.5
E	1.6	1.4	1.0	.1								4.1	5.0
ESE	3.0	3.6	6.8	1.6								14.9	6.8
SE	4.7	4.2	8.7	1.3								18.9	6.6
SSE	2.2	1.1	1.1	.1								4.6	4.9
S	1.1	.1	.2									1.4	3.5
SSW	.1		.2									.3	5.7
SW		.2	.1									.3	6.0
WSW	.0	.1										.7	3.0
W	.7	.3	.1									1.1	3.7
WNW	4.1	1.4	1.7	.1								7.3	4.5
NW	4.6	5.8	4.3	1.4	.1							16.2	6.1
NNW	1.3	1.8	4.2	2.9	.3							10.6	8.7
VARBL													
CALM												9.2	
	24.0	22.4	31.2	8.6	.6							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/NAAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

20210 STATION FORT SIMPSON NWY DOT 57-66 YEARS MONTH DAY  
0000-0200  
HOURS (L.S.T.)  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.7	1.2	.2								4.7	5.6
NNE	1.0	.5	.3									1.8	4.2
NE	.8	.7	.5									2.0	5.2
ENE	1.0	.5	.3									1.8	4.4
E	2.6	2.2	1.6	.3	.1							6.8	5.3
ESE	3.5	2.6	8.9	1.5								16.5	7.2
SE	5.6	5.3	6.6	1.0	.1							18.7	5.9
SSE	2.0	1.1	1.4	.1								4.6	5.2
S	1.9	.4	.2									2.0	3.8
SSW	.1	.5	.5	.1								1.3	6.5
SW	.5	.8	.3									1.6	4.6
WSW	.3	.7	.2									1.2	4.9
W	1.3	.5										1.5	3.3
WNW	1.5	1.5	1.2	.3								4.6	5.4
NW	3.5	3.5	2.9	1.2								11.1	5.9
NNW	2.2	1.3	4.0	1.3	.5							9.3	7.8
VARBL													
CALM												10.5	
	28.3	23.9	30.4	6.1	.8							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 921

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ETAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NAT OUT 57-66 YEARS DAY MONTH HOURS 0300-0500  
STATION NAME CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.5	1.2	.2								3.4	5.2
NNE	.4	.3	.2									1.0	4.9
NE	.7	.3	.2									1.2	4.4
ENE	1.0	.4										1.4	3.2
E	2.0	1.6	1.1									4.7	4.7
ESE	2.2	5.9	6.9	2.1								17.0	6.9
SE	5.4	6.3	7.4	1.2								20.3	5.9
SSE	.9	1.0	2.4	.1								4.3	6.6
S	.9		.1									1.0	3.1
SSW	.7	.2	.3									1.2	4.9
SW	.9	.2	.2									1.3	3.8
WSW	.1	.4										.5	4.8
W	1.3	.1										1.4	2.8
WNW	2.0	1.0	1.5	.2								4.7	5.2
NW	5.4	4.1	4.8	.9								15.2	5.7
NNW	1.5	1.2	5.4	1.5	.5							10.2	8.5
VARBL													
CALM												11.3	
	20.6	23.6	31.8	6.2	.5							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

922

2

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION  
 ELINT SHELTON NWT DET STATION NAME

57-66

YEARS

MAY

MONTH

ALL WEATHER

CLASS

0600-0800

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.4	1.7	.8								6.0	6.1
NNE	.4	.1	.5									1.1	6.0
NE	.6	.2										.9	3.0
ENE	.3	.3	.1									.8	4.4
E	3.0	1.2	.8	.2								5.2	4.5
ESE	2.4	4.4	6.4	1.5								14.7	7.1
SE	5.0	6.3	8.4	.9								20.5	6.1
SSE	1.1	1.0	3.1	.4								5.6	7.1
S	.6	.2	.5									1.4	4.7
SSW	.3	.3	.1	.2								1.0	6.2
SW	.4	.6	.8									1.8	5.7
WSW		.1	.4	.3								.9	9.6
W	.9		.1									1.0	3.3
WNW	.5	1.4	.9	.2								3.0	5.9
NW	2.9	4.0	6.1	1.0								14.0	6.6
NNW	2.1	2.7	6.3	2.3	.3							13.6	8.0
VARBL													
CALM												8.5	
	22.7	24.4	36.3	7.8	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

924

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAG

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210

STATION

FORT SIMPSON NWT OUT

STATION NAME

57-66

YEARS

MAY

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.5	3.2	1.6								9.5	7.0
NNE	.4	.2	1.0	.3								1.9	7.7
NE	.5	.3	.1	.1								1.1	4.9
ENE	1.2	.6										1.8	3.4
E	4.1	1.5	1.5									7.1	4.5
ESE	3.1	3.1	5.2	1.1								12.5	6.6
SE	4.5	3.5	9.4	1.2								18.6	6.8
SSE	.9	1.5	2.4	.6	.1							5.5	7.5
S	1.2	1.4	.9		.1							3.6	5.5
SSW	.6	.8	.6	.2								2.3	6.1
SW	.3	.1	1.2	.2								1.8	8.1
WSW	.3	.2	.6	.2	.1							1.5	8.4
W	.3	.3		.1								.8	5.0
WNW	.2	.5	.9	.3								1.9	7.4
NW	2.7	3.0	8.1	1.3								15.1	7.2
NNW	1.2	1.8	5.6	2.5	.6							11.8	8.9
VARBL													
CALM												3.1	
	23.4	21.5	40.7	9.8	1.0							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

926

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
STATION

FORT SIMPSON NWT DNT  
STATION NAME

57-66  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	3.5	2.3	.1							9.5	7.8
NNE	.7	.7	1.5	.9	.1							3.8	8.4
NE	.7	.7	.3									1.6	4.9
ENE	1.1	.9	.2									2.2	4.0
E	3.9	1.8	1.1	.2								7.0	4.4
ESE	2.5	1.3	4.4	1.3								9.5	7.3
SE	3.6	4.3	6.3	1.8								16.0	6.8
SSE	.8	1.2	3.6	.7								6.2	7.5
S	1.1	1.2	2.2	.1								4.6	6.2
SSW	.3	1.6	1.6	.7								4.2	7.4
SW	.2	1.0	1.4	.3								2.9	7.5
WSW		.5	.8	.4								1.7	8.3
W	.8	.3	.4	.2	.1							1.8	6.6
WNW	.2	.9	1.2	.5								2.8	7.7
NW	1.6	2.4	6.4	1.4	.1	.1						12.0	7.8
NNW	.4	2.7	5.5	3.5	.1	.1						12.4	9.2
VARBL													
CALM												1.6	
	19.5	23.4	40.4	14.3	.5	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

923

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT OUT  
STATION NAME57-66  
YEARSMAY  
MONTHALL WEATHER  
CLASS1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	2.2	5.1	1.5	.1							10.7	7.7
NNE	.9	.8	2.4	.5								4.5	7.5
NE	1.3	.1	1.0	.2								2.6	5.8
ENE	1.1	.6	.3									2.0	3.8
E	2.4	1.8	1.3	.1								5.6	4.8
ESE	3.0	1.4	4.1	1.4	.2							10.1	7.2
SE	3.7	2.5	5.6	1.0								12.7	6.7
SSE	.4	1.4	3.3	.5	.1							5.8	7.7
S	.6	.9	1.7	.4								3.7	7.2
SSW	.5	.8	2.3	.2								3.8	7.1
SW	.4	1.2	1.6	.9								4.1	7.6
WSW	.4	.5	.9	.6	.1							2.6	8.2
W	.9	.4	.4	.4								2.2	6.6
WNW	.5	1.2	.6	.2								2.6	5.6
NW	1.8	2.8	6.5	1.3								12.4	7.5
NNW	1.8	2.2	5.5	2.6	.1							12.2	8.3
VARBL													
CALM												2.4	
	21.7	20.7	42.6	12.0	.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

927



2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DDT  
STATION NAME57-66  
YEARSMAY  
MONTHALL WEATHER  
CLASS1800-2000  
HOURS (L.E.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.8	3.6	.3	.1							7.8	6.4
NNE	.5	1.1	3.1	1.2								5.9	8.4
NE	1.4	.9	.9	.1								3.2	5.0
ENE	.8	.4	.6									1.8	3.3
E	1.5	.6	.9	.2								3.2	5.2
ESE	2.3	2.8	3.2	1.6	.3							12.2	7.5
SE	5.8	3.6	6.5	.8								16.6	5.9
SSE	1.2	1.0	2.8									5.0	6.0
S	1.1	1.3	1.0	.1								3.5	5.4
SSW	1.5	1.6	1.0									4.1	4.9
SW	.9	1.1	1.5	.5								4.0	6.8
WSW	.3		1.2	.1								1.6	6.9
W	1.0	.5	.2	.3								2.0	5.3
WNW	1.2	1.0	.9	.1								3.1	5.1
NW	2.6	2.5	3.2	.5	.1							9.0	6.0
NNW	1.5	2.6	4.7	1.8	.3							11.0	7.8
VARBL													
CALM												5.9	
	25.5	22.8	37.2	7.8	.9							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

927

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DUT  
STATION NAME57-66  
YEARSMAY  
MONTHALL WEATHER  
CLASS2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.3	1.2	.3	.1							6.8	5.2
NNE	1.1	1.2	.9	.4	.1							3.7	6.6
NE	2.0	.4	.7	.1								3.1	4.4
ENE	1.1	.8	.4									2.3	4.5
E	2.3	1.4	.8	.4								4.3	5.0
ESE	2.6	3.3	4.6	1.2								11.6	6.7
SE	3.7	4.6	8.0	1.0								19.3	6.2
SSE	2.6	1.3	1.7	.1								5.7	5.0
S	2.4	.7	.3									3.4	3.5
SSW	1.0	.9	.3									2.2	4.3
SW	1.2	.8	.8	.2								2.9	5.3
WSW	.7	.5	.5									1.7	5.0
W	1.1	.3	.2									1.6	3.5
WNW	2.0	.7	.7	.1								3.4	4.4
NW	3.0	2.8	3.4	1.0	.1							10.3	6.1
NNW	1.1	1.6	2.9	.9	.1							6.6	7.5
VARBL													
CALM												10.5	
	32.6	23.4	27.3	5.7	.4							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

923

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NWT DDT STATION NAME 57-66 YEARS JUN MONTH  
0000-0200 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.3	1.1	.4								4.7	5.7
NNE	.6	.3	.3									1.2	4.5
NE	1.3	.2	.2									1.8	3.4
ENE	.3	.1										.4	3.3
E	2.7	1.2	.3									4.2	3.6
ESE	2.6	3.2	3.7	.6								10.0	6.0
SE	6.6	5.4	7.3	2.0								21.3	6.2
SSE	2.0	.8	1.2									4.0	4.9
S	2.1	1.2	.1									3.4	3.7
SSW	.4	.3	.7									1.4	5.6
SW	1.2	.3										1.6	3.0
WSW	1.0	.1	.2									1.3	3.3
W	2.1	.2										2.3	2.7
WNW	3.2	.9	.4									4.6	3.6
NW	4.3	3.6	4.0	.4	.1							12.4	5.6
NNW	.7	1.8	4.0	1.3	.1							7.9	7.8
VARBL													
CALM												17.3	
	32.9	21.1	23.7	4.8	.2							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 900

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210

STATION

FORT SIMPSON NWT OUT

STATION NAME

57-66

YEARS

JUN

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.0	2.1	.9								5.6	6.5
NNE	.4		.1									.6	4.0
NE	.7	.2	.1									1.0	5.4
ENE	.6	.1										.7	3.0
E	2.2	.9	.2	.1								3.4	3.8
ESE	3.9	2.7	6.3	.2								13.1	5.9
SE	7.1	6.1	7.4	1.1								21.8	5.7
SSE	1.3	2.0	1.1									4.4	5.1
S	2.1	.4	.6									3.1	3.9
SSW	.1	.1	.3									.6	6.0
SW	1.6		.1									1.7	2.7
WSW	1.6											1.0	2.6
W	.4											.4	2.0
WNW	1.8	.7	1.1	.1								3.7	4.8
NW	4.8	3.9	3.0	.6								14.2	5.5
NNW	.3	1.8	3.9	1.1		.1						7.2	8.4
VARBL													
CALM												17.2	
	30.2	19.9	28.4	4.1		.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210 STATION FORT SIMPSON NAT DOT

57-66

JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.1	3.1	.4								8.2	6.1
NNE	.4	.3	.3									1.1	4.9
NE	.3	.1	.1	.1								.7	5.8
ENE	.9	.1	.1									1.1	3.2
E	2.3	.9	.1	.3								3.7	4.4
ESE	2.7	2.7	5.2	.1								10.7	6.1
SE	8.3	8.2	7.2	.7								24.4	5.3
SSE	1.1	2.0	1.4	.2								4.8	5.7
S	1.4	.7	1.1	.1								3.3	5.3
SSW	.6	.7	.8	.1								2.1	6.0
SW	.6	.4	.9									1.9	5.8
WSW		.3										.3	5.0
W	.2	.1	.1									.4	4.3
WNW	.6	.8	1.0									2.3	5.7
NW	2.6	4.4	5.9	.3								13.2	6.3
NNW	.8	3.0	4.1	1.8								9.7	7.7
VARBL													
CALM												12.0	
	25.3	26.9	31.6	4.2								100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NWT OUT 57-66 YEARS JUN MONTH  
STATION NAME CLASS 0900-1100 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.9	3.7	1.1	.2							11.7	6.4
NNE	.8	.6	.8	.9	.2							3.2	8.6
NE	1.4	.3	.2	.1								2.1	4.1
ENE	.9	.3	.2									1.4	3.8
E	3.1	1.6	.1									4.8	3.5
ESE	3.7	2.8	4.2	.3								11.0	5.9
SE	4.4	5.0	9.7	.7								19.8	6.2
SSE	1.2	.9	3.6	.4								6.1	7.0
S	1.4	1.2	.8									3.4	5.0
SSW	.6	1.0	.4	.3								2.3	6.4
SW	.6	1.0	1.0									2.6	5.7
WSW	.2	.2	.3	.4								1.7	7.4
W	.3	.4	.1									.3	4.3
WNW	.4	.9	.9	.1								2.3	6.5
NW	2.1	2.8	6.3	.8								12.0	6.9
NNW	1.3	2.0	4.2	1.9	.1							9.6	8.1
VARBL													
CALM												6.0	
	23.9	23.9	36.6	7.1	.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FLINT SIMPSON NWT DUT STATION NAME 57-66 YEARS MONTH JUN 1200-1400 HOURS (L.S.T.)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	3.6	4.1	1.7	.1							13.8	4.3
NNE	.7	.8	1.9	.4	.1							4.3	8.7
NE	1.2	.8	.3									2.3	3.9
ENE	1.0	.1	.2		.1							1.4	4.7
E	3.1	1.4	.6	.1								5.2	4.1
ESE	2.8	2.7	3.4	.8								9.7	6.3
SE	3.0	3.9	7.8	1.0								17.7	6.2
SSE	.7	2.1	3.6	1.0								7.3	7.5
S	1.7	1.6	1.9	.4								5.6	6.1
SSW	.7	1.2	1.8	.3								4.0	6.5
SW	1.0	.9	1.0	.4								3.3	6.3
WSW	.3	.3	.8									1.4	6.2
W	1.0	.8	.2									2.0	4.4
WNW	.0	.9	.4	.2								2.1	5.4
NW	1.0	1.7	4.1	.4								7.2	7.2
NNW	.2	.9	4.8	3.2								9.2	9.8
VARBL													
CALM												3.3	
	25.3	23.6	36.4	10.6	.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
 ITAC/USAF  
 AIR CENTER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26210 STATION PORT SIMPSON NAT UNIT 57-66 YEARS JUN  
 STATION NAME ALL WEATHER MONTH 1500-1700  
 CLASS NOON (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.9	4.6	2.0								11.6	6.9
NNE	.8	.7	2.1	1.1								4.7	8.3
NE	.2	.4	.6	.3								1.6	7.4
ENE	.6	.7	.9									2.1	6.0
E	3.0	1.0	.4	.1								4.6	3.7
ESE	3.0	1.6	2.8	1.3								8.7	6.6
SE	6.1	4.6	4.3	.7								15.7	5.4
SSE	1.2	1.8	3.8	.9								7.7	7.1
S	1.1	1.6	1.9	.2								4.8	6.0
SSW	.0	1.8	2.6	.2								5.1	5.8
SW	.6	1.3	1.7	.1								3.9	6.0
WSW	1.0	1.0	.2	.1								2.3	4.7
W	1.3	1.0	.3									2.7	4.4
WNW	.6	.7	.9									2.1	6.2
NW	2.0	2.2	3.9	.8								8.9	6.6
NNW	.0	2.1	4.3	1.9								9.1	8.4
VARBL													
CALM												4.9	
	26.1	24.2	35.2	9.8								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 900



2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NWT DUT 57-66 YEARS JUN MONTH  
 ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.7	4.3	1.1								10.4	6.9
NNE	.3	.3	2.1	1.0								3.8	9.0
NE	1.1	.6	1.2	.2								3.1	6.3
ENE	.8	.9	.4									2.1	4.9
E	2.1	1.4	.4									4.0	4.2
ESE	1.2	1.6	2.8	.7	.1							6.3	7.1
SE	5.1	3.9	5.1	.7								14.8	5.5
SSE	1.6	1.8	2.4	.1								5.9	5.8
S	2.7	1.9	1.3									5.9	4.6
SSW	1.4	1.9	1.4	.1								4.9	5.3
SW	2.6	1.2	1.1	.1								5.0	4.5
WSW	.3	.9	.4	.1								1.8	5.8
W	.8	.2	.2									1.2	4.2
WNW	.8	1.0	1.0	.1								2.9	5.9
NW	3.9	2.9	2.1	.5	.1							9.6	5.5
NNW	1.2	1.9	2.6	1.1	.1							6.9	7.5
VARBL													
CALM												11.4	
	28.0	25.2	29.1	5.9	.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 900

2

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION PORT SIMPSON NWT DUT 57-66 YEARS JUN  
STATION NAME MONTH  
ALL WEATHER 2100-2300  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.0	2.7	.2								7.7	5.3
NNE	.2	.7	1.0	.6								2.4	8.3
NE	.0	.2	.2	.1	.1							1.2	6.5
ENE	.9	.1	.1	.1								1.2	4.0
E	1.7	.7	.1									2.4	3.3
ESE	1.9	1.6	3.6	.4								7.4	6.4
SE	8.9	3.9	3.2	.9								16.9	4.8
SSE	2.4	1.0	1.9	.1								5.4	5.1
S	2.8	1.6	.9	.1								5.3	4.2
SSW	.7	.6	.3									1.6	4.6
SW	2.2	.8	.4									3.4	3.7
WSW	.7	.6	.2									1.4	4.1
W	2.2	.3	.2									2.8	2.8
WNW	2.0	1.0	1.2	.1								4.3	5.1
NW	4.1	3.0	2.2	.6								9.9	5.0
NNW	1.0	1.8	2.0	1.3								6.1	7.5
VARBL													
CALM												20.3	
	35.0	19.7	20.3	4.6	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 900

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NUT DUT 57-66 YEARS JUL  
 MONTH  
 CLASS ALL WEATHER  
 HOURS (L.S.T.) 0000-0200  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.5	1.2	.5	.1							4.3	6.0
NNE	.3	.1	.3									.8	5.9
NE	1.6	.1	.3									2.0	3.6
ENE	.3	.1	.2									.6	4.5
E	2.5	1.1	.4									4.0	3.7
ESE	2.0	2.0	2.6	.8								7.4	5.6
SE	6.8	2.9	6.3	1.4	.1							17.5	5.9
SSE	2.0	1.1	.6									3.8	4.3
S	1.1	.8	.1									1.9	3.8
SSW	.5	.8	.1									1.4	4.2
SW	1.4	.9	.9									3.1	4.6
WSW	.6	.3	.4									1.4	3.4
W	2.9	.8	.3									4.0	3.3
WNW	3.0	1.6	1.2	.1								5.9	4.6
NW	6.0	3.9	4.0	1.0	.1							14.9	5.4
NNW	1.5	1.1	3.8	1.2	.3							7.8	8.0
VARBL													
CALM												19.0	
	34.6	18.0	22.8	4.9	.6							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NWT DDT 57-66 YEARS JUL MONTH  
0300-0500 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.2	1.8	.2								5.6	5.4
NNE	.4											.4	2.5
NE	1.0											1.0	2.3
ENE	.3	.1										.4	3.3
E	1.1	1.4	.2	.1								2.8	4.5
ESE	2.4	2.4	3.2	.4								8.4	5.9
SE	6.6	5.6	5.1	1.0	.1							18.3	5.6
SSE	1.2	1.7	1.2									4.1	4.9
S	1.8	.9	.2									2.9	3.7
SSW	1.0	.1	.3									1.4	3.8
SW	.5	.1										.6	3.3
WSW	1.1	.3	.1	.2								1.7	4.3
W	2.2	.4										2.6	2.9
WNW	3.2	.9	1.6	.1								5.8	4.8
NW	5.5	5.4	4.5	1.2	.3							16.9	6.0
NNW	1.4	1.3	4.0	1.2	.3	.2						8.4	8.5
VARBL													
CALM												18.7	
	31.9	21.7	22.3	4.4	.8	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NWT DUT 57-66 YEARS JUL MONTH  
0600-0800 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.9	2.5	.3								7.2	5.8
NNE	.6	.1										.8	2.7
NE	.8	.1										.9	2.9
ENE	.4	.1	.1									.6	3.2
E	1.6	.6	.3									2.6	3.5
ESE	2.0	3.1	4.0	.4								9.6	6.1
SE	6.6	8.5	6.6	1.2								22.8	5.6
SSE	2.8	1.2	1.2	.2								4.8	4.9
S	1.3	.4	.6	.1								2.5	5.3
SSW	.2											.2	2.5
SW	.5	.4	.1									1.1	4.3
WSW	.5		.4	.1								1.1	6.1
W	.8	.3	.1									1.2	3.5
WNW	.9	.6	1.5	.2								3.2	6.6
NW	4.9	4.0	6.5	1.3								16.7	6.1
NNW	2.3	2.9	7.0	1.9	.4	.2						14.7	8.0
VARBL													
CALM												10.1	
	28.2	24.4	30.9	5.8	.4	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210

STATION

FORT SIMPSON NWT DDT

STATION NAME

57-66

YEARS

JUL

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.5	3.5	.8								11.8	5.8
NNE	.5	.2	.3									1.1	4.6
NE	.9											.9	2.1
ENE	.9	.2										1.1	2.9
E	3.4	.8	1.0	.2								5.4	4.3
ESE	1.9	2.6	3.7	1.0								9.1	6.6
SE	4.1	5.1	7.4	1.4								18.0	6.3
SSE	1.1	1.6	2.3	.4								5.4	6.5
S	1.3	.5	1.2	.1								3.1	5.4
SSW	.2	.5	.5	.2		.1						1.6	8.7
SW	1.1	.6	.5	.1								2.4	5.1
WSW	.2	.2	.6		.1	.1						1.3	8.8
W	.5	.1	.3									1.0	4.6
WNW	1.0	1.3	.8	.1								3.1	5.6
NW	3.1	4.0	6.7	1.2	.2							15.2	6.9
NNW	1.2	3.4	6.5	2.7	.3	.2						14.3	8.8
VARBL													
CALM												5.4	
	25.4	24.7	35.3	8.2	.6	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

26210  
STATIONELFT SIMPSON NWY DUT  
STATION NAME57-66  
YEARSJUL  
MONTH1200-1400  
HOURS (L.S.T.)ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	3.3	3.0	1.5								12.0	6.1
NNE	.8	.4	1.4	.1								2.7	6.7
NE	2.4	.4	.2	.3								3.3	4.3
ENE	.6	.2		.2								1.1	5.5
E	4.0	1.0	.8	.3								6.0	4.1
ESE	2.0	1.4	2.5	.4								6.3	6.1
SE	4.2	2.9	6.2	1.0								14.3	6.4
SSE	.8	1.4	2.8	.5								5.5	7.5
S	1.3	2.0	2.3	.2								5.8	6.1
SSW	.5	1.1	1.2	.3								3.1	6.8
SW	1.2	.8	1.1	.3	.2							3.5	7.0
WSW	.1	.3	1.0	.2								1.6	7.9
W	.5	.2	.6	.3								1.7	6.4
WNW	.5	.8	1.3	.5								3.1	7.8
NW	1.8	2.9	5.9	2.4	.1	.1						13.2	7.8
NNW	1.2	2.5	5.1	3.3	.2	.2						12.5	9.1
VARBL													
CALM												4.1	
	26.1	21.6	35.3	12.0	.5	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DDT  
STATION NAME57-66  
YEARSJUL  
MONTHALL WEATHER  
CLASS1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.9	3.2	1.4	.1							10.4	6.7
NNE	.4	1.3	2.3	.3								4.7	6.6
NE	1.1	.5	.6	.1								2.4	4.9
ENE	1.0	.2	.4	.1								1.7	4.9
E	2.6	1.2	1.0	.2								4.9	4.4
ESE	3.3	1.5	2.6	.4								7.8	5.7
SE	4.8	3.3	4.8	.6								13.7	5.8
SSE	.9	1.2	3.3	.3								5.7	7.2
S	.4	1.4	2.2	.1								4.5	6.3
SSW	1.2	1.2	1.9	.2								4.5	6.3
SW	1.1	1.2	1.9	.6								4.8	7.3
WSW	.3	.5	.9	.4	.1							2.3	8.3
W	.8	.8	.6	.1								2.3	5.4
WNW	.9	.5	1.5	.2								3.1	6.2
NW	2.8	2.4	4.8	.9	.2							11.1	6.9
NNW	1.8	2.6	3.4	2.8	.5							11.2	8.3
VARBL													
CALM												4.8	
	27.0	22.7	32.6	8.9	1.0							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

930



2

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONPORT SIMPSON NWT OUT  
STATION NAME57-66  
YEARSJUL  
MONTHALL WEATHER  
CLASS1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.7	2.9	.8		.1						9.7	6.2
NNE	1.1	.4	1.0	.2								2.7	3.9
NE	2.3	.9	.9									4.0	4.2
ENE	.4	.2	.4	.1	.1							1.3	7.0
E	1.3	1.0	.5	.2								3.0	5.4
ESE	1.6	1.6	2.7	.6								6.6	6.6
SE	5.6	2.9	4.1	.5								13.1	5.4
SSE	2.2	2.0	1.8									6.0	4.9
S	3.2	1.5	.1		.1							4.9	3.7
SSW	2.0	1.0	.6	.1								3.8	4.3
SW	2.0	1.5	1.0									4.3	4.8
WSW	.3	.3	1.0	.3								1.9	7.4
W	1.9	.2	.8									2.9	4.1
WNW	1.1	.9	1.1									3.0	5.3
NW	3.4	2.6	3.4	1.2	.1							10.8	6.5
NNW	1.8	1.6	3.8	1.7	.3							9.2	8.0
VARBL													
CALM												12.8	
	33.5	21.1	26.0	3.8	.6	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DUT  
STATION NAME57-66  
YEARSJUL  
MONTHALL WEATHER  
CLASS2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	.9	1.7	.6								5.1	6.4
NNE	.6	.4	.2	.1								1.4	3.3
NE	1.0	.4	.3		.1							1.8	4.9
ENE	.6	.3	.3									1.5	3.2
E	1.4	.6	.3									2.9	3.8
ESE	1.9	.9	2.0	.6								5.5	6.4
SE	8.8	4.4	4.0	1.0								18.2	5.0
SSE	1.5	1.4	1.0									3.9	4.8
S	2.2	2.0	.4									4.6	4.2
SSW	1.4	1.1	.3									3.3	4.0
SW	2.2	.9	.9									3.9	4.0
WSW	1.1	.6	.6									2.4	4.9
W	1.8	.5	.2									2.6	3.8
WNW	1.5	.9	.5									2.9	4.3
NW	4.8	2.8	3.9	.8								12.3	5.4
NNW	1.7	1.7	3.4	1.3	.4							8.6	8.0
VARBL													
CALM												19.2	
	33.5	19.9	20.4	4.4	.5							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DDT  
STATION NAME57-66  
YEARSAUG  
MONTHALL WEATHER  
CLASS0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.9	1.1	.5								4.2	6.1
NNE	.6	.4		.1								1.2	4.3
NE	.4	.2	.1									.8	4.4
ENE	.6		.1									.8	3.1
E	2.2	1.0	.4	.3								3.9	4.8
ESE	2.8	4.0	5.8	1.0	.1							13.7	6.6
SE	6.3	5.6	5.1	.3								17.3	5.2
SSE	2.3	1.7	1.7	.1								5.8	5.0
S	1.7	1.1	.2									3.0	3.6
SSW	.3	.2	.9									1.4	6.8
SW	.6	.1	.3	.1								1.3	5.5
WSW	1.4	.3										1.7	3.3
W	1.7	.1	.3	.2								2.4	4.3
WNW	2.5	1.5	1.1	.2	.1							5.4	5.0
NW	4.9	2.6	3.7	1.1	.1							12.4	5.9
NNW	1.9	1.7	3.3	1.3								8.3	7.2
VARBL													
CALM												16.7	
	32.3	21.4	24.1	5.3	.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

930

USAFETAC

FORM  
JUL 64

0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/TAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION PORT SIMPSON NWT DUT 57-66 YEARS AUG MONTH  
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	.4	1.4	.4								4.2	5.0
NNE	.3	.2										.5	4.0
NE	.2	.3										.5	4.2
ENE	1.0	.2		.1								1.3	4.1
E	1.6	1.1	.4									3.1	4.3
ESE	2.2	2.8	4.2	.5								9.7	6.4
SE	8.0	6.5	7.8	.3								22.6	5.4
SSE	2.0	2.4	1.7									6.1	5.0
S	2.3	.2	.2									2.7	3.6
SSW	.1	.1	.1									.3	6.0
SW	.6	.3										1.0	3.2
WSW	.4	.3	.1									.9	4.1
W	2.5	.4	.4	.1								3.8	4.0
WNW	2.6	1.2	1.3	.2								5.3	5.0
NW	4.5	4.1	4.3	.5	.2							13.7	5.9
NNW	1.6	1.7	4.5	.9	.1							8.8	7.3
VARBL													
CALM												15.6	
	31.6	22.6	26.6	3.1	.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FIRST SIMPSON NWT DUT 57-66 YEARS MONTH AUG  
 CLASS ALL WEATHER  
 HOURS 0600-0800  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.6	.9	.2								4.0	4.8
NNE	.6	.6										1.3	3.6
NE	.6	.3	.1									1.2	3.9
ENE	.9	.2	.2									1.3	3.7
E	2.6	1.0	.6									4.2	4.1
ESE	3.0	2.5	4.1	.4								10.0	6.0
SE	7.4	7.5	7.2	.3								22.4	5.4
SSE	1.4	1.7	2.6	.1								5.8	5.9
S	1.1	.4	.1									1.6	3.4
SSW	.1		.3									.4	8.0
SW	1.2	.6										1.9	3.4
WSW	.1											.1	3.0
W	1.0	.4	.5									1.9	4.7
WNW	1.6	.8	1.8	.4								4.6	6.3
NW	4.1	2.9	5.5	1.2	.1							13.8	6.5
NNW	2.4	2.3	.4	1.7	.1							12.4	7.3
VARBL													
CALM												13.2	
	30.4	22.6	29.4	4.4	.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

AD-A100 250

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
FORT SIMPSON, NORTHWEST TERRITORIES, CANADA. REVISED UNIFORM SU--ETC (11)  
JAN 72

UNCLASSIFIED

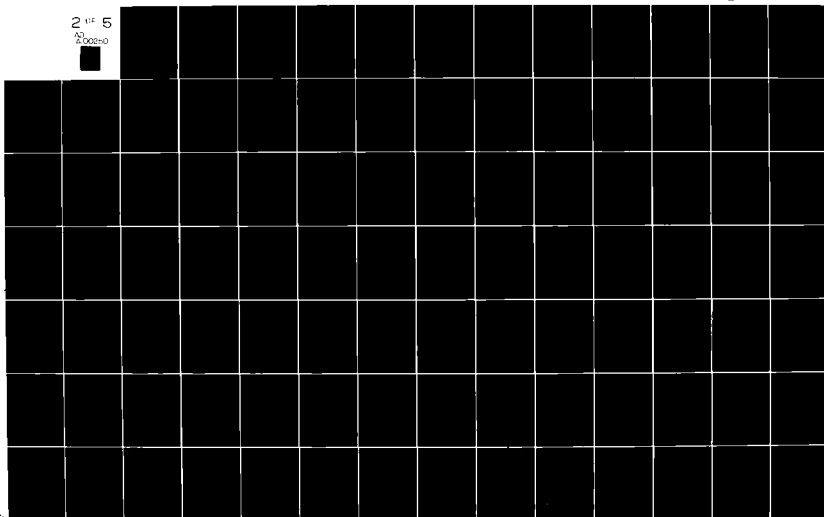
USAFETAC/DS-81/045

SBIE-AD-E850 073

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2 of 5

AD  
A00020



2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DUT  
STATION NAME57-66  
YEARSAUG  
MONTHALL WEATHER  
CLASS0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.8	2.6	.2								7.3	5.6
NNE	.6	.2	.4									1.3	5.1
NE	.6	.3	.4									1.7	4.7
ENE	.3	.1	.2									.8	4.3
E	4.5	.5	1.0									6.0	3.5
ESE	4.3	3.1	3.6	.3								13.3	5.6
SE	2.7	4.3	7.2	.1								14.5	6.3
SSE	1.6	1.7	3.0	.3								6.7	6.7
S	2.2	1.2	.5									3.9	4.1
SSW	.4	.2	.8									1.4	6.3
SW	.6	.4	.3	.3								1.7	5.9
WSW	.1	.2	.2									.3	6.2
W	.2	.6	.3	.1								1.3	5.7
WNW	.8	1.0	1.5	.6								3.9	7.2
NW	3.0	3.0	6.2	2.3	.1							14.6	7.3
NNW	2.5	2.4	6.8	2.2	.2	.1						14.1	8.0
VARBL													
CALM												5.2	
	27.3	23.5	37.1	6.5	.3	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26210 STATION FORT SIMPSON NWT DUT

57-66

AUG

ALL WEATHER

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	2.6	4.0	.4								10.5	6.4
NNE	.6	.3	1.0	.1								2.0	6.7
NE	.6	.1	.1									.9	3.1
ENE	1.3	.1	.1									1.5	3.1
E	4.6	1.8	.9									7.3	3.7
ESE	3.1	3.3	4.2	.5								11.2	5.8
SE	3.1	2.2	7.1	.2								12.6	6.4
SSE	1.1	2.2	4.3	.2								7.7	6.9
S	1.8	1.2	1.6	.1								4.7	5.3
SSW	1.2	1.0	1.1	.5								3.8	6.3
SW	.6	1.0	1.5	.5								3.7	6.9
WSW	.2	.5	.3	.1								1.2	6.5
W	.2	.4	.6									1.3	5.8
WNW	.5	1.1	1.4	1.1	.1							4.2	8.3
NW	1.9	3.0	5.7	2.5	.2							13.3	7.8
NNW	2.2	2.0	3.9	2.3	.5							10.9	8.5
VARBL													
CALM												3.2	
	26.3	22.8	37.7	9.0	.9							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930



2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON WY DUT 57-66 YEARS AUG  
 STATION NAME MONTH  
 ALL WEATHER CLASS 1500-1700  
 CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.4	2.6	1.1	.4							9.4	6.8
NNE	.1	.9	1.3	.2								2.5	7.3
NE	1.2	.2	.2									1.6	3.5
ENE	.4	.2										.6	3.5
E	3.0	.5	.6	.1								4.3	3.8
ESE	3.1	1.7	2.8	.2								7.8	5.3
SE	4.7	3.8	3.4	.6								12.6	5.4
SSE	1.7	1.1	2.6	.4								5.8	6.3
S	3.1	1.6	2.2	.4								7.3	5.3
SSW	1.2	2.0	1.8	.3								5.4	6.2
SW	1.4	1.0	1.7	.5								4.6	6.1
WSW	.4	.2	.4	.1								1.5	5.4
W	.9	.8	.6	.1								2.4	5.5
WNW	1.4	.8	1.7	.2	.1							4.2	6.5
NW	2.0	3.7	4.9	1.4	.3							12.4	7.2
NNW	1.8	3.2	3.4	2.2	.4							11.1	7.7
VARBL													
CALM												6.6	
	29.8	24.0	30.4	8.0	1.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 FORT SIMPSON NWT DDT  
STATION STATION NAME

57-66

YEARS

AUG

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	1.6	3.7	.4								8.8	6.1
NNE	1.1	.6	1.6	.3								3.7	6.4
NE	1.0	.4	.2									1.6	3.7
ENE	.4	.1	.2									.8	3.7
E	1.0	.4	.2	.1								1.7	4.7
ESE	2.6	2.4	1.9	.4								7.3	5.5
SE	8.1	4.0	3.7	.4								16.1	4.6
SSE	3.5	1.9	.9	.1								6.5	4.3
S	4.4	1.8	.8									7.0	3.7
SSW	1.3	.9	.8									2.9	5.0
SW	1.4	.8	.3									2.5	3.8
WSW	1.1	.5	.2	.2								2.0	5.2
W	2.2	.1	.4									2.7	3.6
WNW	1.1	.8	1.0	.4	.1							3.3	6.7
NW	2.6	2.5	2.4	.8								8.2	6.0
NNW	1.5	1.4	3.1	1.7	.5							8.3	8.5
VARBL													
CALM												16.7	
	36.2	20.2	21.3	4.9	.6							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

26210

STATION

FORT SIMPSON NWT DIST

STATION NAME

57-66

YEARS

AUG

MONTH

ALL WEATHER

CLASS

2100-2300

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.2	1.5	.3								4.4	6.7
NNE	.4	.4	.5	.1								1.5	6.0
NE	.8	.3	.1									1.2	3.7
ENE	.8											.8	2.9
E	2.0	.8	.4	.1								3.3	4.3
ESE	3.3	1.8	2.8	.5								8.5	5.7
SE	8.7	4.2	2.6	.3								15.8	4.4
SSE	3.0	2.2	1.9									7.1	4.9
S	3.7	1.4	.6									5.7	3.6
SSW	1.4	.9	.9									3.1	4.8
SW	1.4	.5	.5	.1								2.6	4.7
WSW	1.0	.2	.1									1.3	3.8
W	2.4	.5	.2									3.1	3.3
WNW	2.3	.8	.4	.5								4.0	5.1
NW	3.4	3.2	3.0	1.3								11.4	6.0
NNW	1.6	1.5	1.8	1.4	.1							6.5	7.5
VARBL													
CALM												19.8	
	38.0	19.9	17.5	4.7	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DUT  
STATION NAME97-66  
YEARSSEP  
MONTH0000-0200  
HOURS (L.S.T.)ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.1	.7	.2								3.9	4.6
NNE	1.2		.3									1.6	3.3
NE	.3	.2										.6	4.0
ENE	.9	.1										1.0	2.8
E	1.0	.7	1.3	.3								3.3	6.3
ESE	1.4	1.3	4.0	.8								7.6	7.2
SE	6.3	5.1	10.2	1.4								23.1	6.4
SSE	2.3	1.6	3.3									7.4	5.7
S	2.1	.2										2.3	2.9
SSW	.7	.2	.1									1.0	3.8
SW	.3	.7	.2									1.2	4.4
WSW	.6	.4	.7									1.7	3.1
W	2.0	.8										2.8	3.0
WNW	2.4	.4	.7									3.6	4.0
NW	3.1	3.6	3.8	1.1	.1							11.7	6.4
NNW	1.7	2.0	4.9	1.7	.1							10.3	7.7
VARBL													
CALM												17.0	
	28.3	18.7	30.2	5.6	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
STATION

FORT SIMPSON NWT DIT  
STATION NAME

57-66  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.6	1.0	.3								3.0	6.1
NNE	.6	.2	.3		.1							1.2	3.9
NE	1.2	.3	.1									1.7	3.3
ENE	.7											.7	3.0
E	1.3	.9	.3	.2								2.8	4.6
ESE	1.3	1.9	2.9	1.0								7.1	7.1
SE	5.4	5.0	9.1	1.1								20.7	6.3
SSE	2.1	2.4	4.4	.6								9.6	6.3
S	2.0	.6	.1									2.7	3.2
SSW	.8											.8	2.6
SW	.4	.2	.2									.9	4.5
WSW	.6	.3	.4									1.3	4.8
W	1.8	.4	.3									2.6	3.6
WNW	2.0	.9	.3	.2								3.4	4.4
NW	4.6	3.6	5.8	.9								14.8	6.1
NNW	2.0	1.6	4.8	1.7	.1							10.1	7.8
VARBL													
CALM												16.8	
	27.9	18.9	30.2	6.0	.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
STATION

FORT SIMPSON NWT DUT  
STATION NAME

57-66  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.6	1.4	.4	.1							4.0	6.6
NNE	.6	.4	.1									1.1	4.2
NE	.9											.9	2.6
ENE	.4	.6										1.0	3.7
E	1.2	.4	.9									2.6	4.9
ESE	1.3	1.8	3.6	.2								6.9	6.4
SE	3.7	6.1	9.2	1.2								20.2	6.5
SSE	1.6	2.4	3.0	.2	.1							9.3	6.6
S	1.4	.7	.1									2.2	3.5
SSW	.3	.1										.4	3.3
SW	.9	.4	.1									1.4	3.5
WSW	.8	.2	.1									1.1	3.7
W	1.6	.8	.1									2.4	3.4
WNW	1.1	.6	.8	.1								2.6	5.1
NW	3.6	3.7	6.4	1.9	.4							16.0	7.2
NNW	1.4	1.9	6.1	1.7	.1							11.2	4.2
VARBL													
CALM												16.6	
	22.2	20.7	34.0	3.8	.8							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

26210 STATION FORT SIMPSON NWT DOY 57-66 YEARS SEP MONTH  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.3	2.1	.6		.1						6.4	6.3
NNE	.6	.3	.8									1.7	6.3
NE	.9	.1	.1									1.1	3.1
ENE	.3		.1									.4	3.5
E	2.6	.9	1.2									4.7	4.5
ESE	2.4	3.0	4.4	1.1	.1							11.1	7.0
SE	3.4	4.9	9.7	1.1								19.1	6.8
SSE	1.2	2.2	4.0	.6								8.0	6.9
S	1.4	.8	.6									2.3	4.4
SSW	.2	.3		.1								.7	5.2
SW	.9	.2	.1	.1								1.3	4.3
WSW	.2	.3	.4	.1								1.1	6.6
W	1.6	.1	.1	.1								1.8	3.6
WNW	.7	1.0	1.1	.1	.3	.1						3.3	8.1
NW	3.1	4.0	7.9	1.6	.4							17.0	7.4
NNW	1.7	3.3	6.1	2.9	.2	.1						14.3	8.4
VARBL													
CALM												5.1	
	23.4	22.9	38.8	8.3	1.1	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 900

2

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
STATION

FORT SIMPSON NWT DUT  
STATION NAME

57-66  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	.9	3.1	1.6	.1	.1						8.4	7.5
NNE	.4	.7	.4	.2								2.2	5.3
NE	.3	.4	.1									.9	4.1
ENE	1.3	.2	.1									1.7	3.5
E	4.0	.7	1.4	.2								6.3	4.5
ESE	2.7	1.9	4.3	.8								9.7	6.8
SE	3.2	3.4	8.3	.8								15.8	6.8
SSE	1.4	1.4	4.2	.9								8.0	7.3
S	.7	.9	1.3	.1								3.0	6.3
SSW	.9	1.3	.7									2.9	5.0
SW	.7	.6	.6									1.8	5.5
WSW	.3	.3	.2	.4								1.3	8.0
W	.4	.3	.4									1.2	5.5
WNW	.4	.4	1.8	.1	.3							3.1	8.3
NW	1.0	4.8	6.1	1.8	.1							14.3	7.2
NNW	1.1	2.7	8.0	4.2	.4	.1						16.6	9.4
VARBL													
CALM												2.8	
	22.7	21.0	41.2	11.1	1.0	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900



2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
 STATION

FLEET SIMPSON NWT OUT  
 STATION NAME

57-66  
 YEARS

SEP  
 MONTH

ALL WEATHER  
 CLASS

1500-1700  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.8	3.6	1.7	.1	.1						9.3	7.7
NNE	.3	.7	.4	.2								1.7	6.2
NE	.8	.1	.4	.1								1.4	5.3
ENE	.1	.2	.1									.4	4.8
E	2.0	.6	.9	.4								4.4	4.9
ESE	1.7	1.7	4.9	1.6	.1							9.9	7.8
SE	4.2	4.3	7.0	1.2								16.4	6.6
SSE	1.2	1.4	2.1	.3								5.1	6.3
S	2.4	1.1	.8									4.3	4.1
SSW	.6	1.1	.4									2.1	5.2
SW	.9	.4	.6	.1								2.0	5.1
WSW	.6	.8	.7	.3								2.3	6.5
W	1.4	.8	.8									3.0	4.5
WNW	1.0	.4	1.2	.3	.1							3.1	6.9
NW	3.2	3.6	5.9	.9	.4							14.0	6.9
NNW	1.6	2.7	5.2	2.4	.2	.1						12.2	8.6
VARBL													
CALM												7.8	
	24.7	21.7	35.0	9.7	1.0	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
 FTAG/USAF  
 AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

26213 STATION FORT SIMPSON NAT DOT 57-66 YEARS SEP MONTH  
 1800-2000 HOURS (L.S.T.)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.2	2.0	.1								4.9	5.7
NNE	.8	.7	.6									2.7	4.6
NE	.8	.4	.2	.1								1.6	4.4
ENE	.4	.2	.1									.8	4.1
E	1.1	1.1	.7									2.9	4.7
ESE	1.3	1.0	3.9	.7								6.9	7.2
SE	6.0	4.4	6.1	.7	.1							17.3	5.8
SSE	2.9	1.9	2.2	.1								7.1	5.0
S	2.4	1.0	.6									4.0	3.8
SSW	1.4	.6	.2									2.2	3.6
SW	2.1	.7	.4									3.2	3.8
WSW	.0	.4	.2	.1								1.3	3.2
W	1.8	.0	.4									2.4	3.7
WNW	2.3	.7	.8									3.8	4.2
NW	4.4	2.4	3.8	.9	.2							12.2	5.9
NNW	1.0	1.3	3.6	2.3	.2							9.0	8.6
VARBL													
CALM												18.0	
	32.1	18.7	23.8	5.0	.0							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

26210 STATION FORT SIMPSON NWT DUT 57-66 YEARS SEP MONTH  
CLASS ALL WEATHER  
CONDITION  
2100-2300 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.1	1.0	.3								4.4	5.5
NNE	.3	.4	.2									1.0	5.4
NE	.7	.4	.2	.1								1.4	5.0
ENE	.4	.2	.2									.3	5.0
E	1.1	.6	.6	.2								2.7	5.3
ESE	2.1	1.3	3.6	.8	.1							7.9	5.9
SE	6.4	5.7	7.9	1.4								21.4	6.1
SSE	1.8	2.1	2.6									6.4	5.6
S	2.1	.8	.7									3.6	3.9
SSW	1.0	.7	.1	.1								1.9	4.2
SW	.6	.4	.4									1.7	4.6
WSW	.4	.6	.3									1.4	4.8
W	2.3	.7	.1									3.1	3.3
WNW	1.2	.8	.9									2.9	5.0
NW	4.3	2.4	2.6	1.2	.4							11.0	6.2
NNW	.4	2.1	4.6	1.3	.4							9.3	8.4
VARBL													
CALM												18.6	
	28.4	20.6	25.9	5.6	1.0							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION 26210 ELLIOT SIMPSON NE T DUT STATION NAME 57-66 YEARS 0000-0200 MONTH 0000-0200 HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.7	.6	.1								4.4	4.4
NNE	.4	.1	.1									.4	3.8
NE	.9	.3										1.2	3.1
ENE	.3	.1	.1									.3	4.2
E	.6	.2	1.0									1.9	3.6
ESE	1.3	1.2	1.8	1.0								5.3	6.9
SE	6.1	3.4	11.2	1.8	.1							24.6	6.5
SSE	1.5	2.0	2.4	.2								6.1	6.0
S	1.7	.9										2.6	3.2
SSW	.3	.3	.1									.8	4.3
SW	1.0	.3	.2									1.3	3.9
WSW	.5	.4	.3									1.3	4.6
W	3.0	.4	.6									4.1	3.6
WNW	1.7	.9	1.4	.9								4.8	6.6
NW	4.5	4.7	3.5	2.5	.1							17.3	6.8
NNW	1.3	2.2	4.9	2.0	.5	.1						11.1	8.8
VARBL													
CALM												11.8	
	27.3	21.2	30.3	8.5	.8	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/ IAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26210  
STATION

FORT SIMPSON NWY DJT  
STATION NAME

57-66  
YEARS

JCT  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.4	1.2	.2								3.3	3.3
NNE	.9	.1	.3									1.2	4.1
NE	.6											.6	2.3
ENE	.1	.2										.3	4.3
E	1.0	.3	.8									2.0	6.9
ESE	1.0	.6	3.1	1.4								6.1	8.0
SE	5.3	6.7	10.8	2.3								24.9	6.7
SSE	1.5	2.0	1.4	.4	.1							5.5	6.0
S	2.0	.6	.2									2.9	3.3
SSW	.3	.2	.2	.1								.9	6.1
SW	.8		.4									1.2	4.4
WSW	.4	.2	.1									.8	4.3
W	3.8	1.2	.3	.1								5.4	3.6
WNW	1.6	.9	1.0	.6								4.1	6.1
NW	4.6	4.8	5.8	2.9	.4							18.6	7.1
NNW	1.4	1.7	5.2	2.3	.9							11.4	8.9
VARBL													
CALM												10.8	
	26.7	20.1	30.8	10.3	1.4							100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210 STATION FORT SIMPSON NWT DUT 57-66 YEARS OCT MONTH  
0600-0800 HOURS (L.S.T.)  
ALL WEATHER CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.3									3.4	5.6
NNE	.3	.1										.4	3.5
NE	.6	.1										.8	2.9
ENE		.2										.2	4.5
E	1.2	.6	.6	.1								2.6	4.6
ESE	1.4	1.6	3.0	.8								7.3	6.6
SE	3.4	6.8	11.4	.9								22.9	6.6
SSE	2.0	2.2	2.5	.4								7.1	6.0
S	2.4	.2										3.1	2.7
SSW	.4		.2									.6	4.8
SW	1.0	.4	.2									1.6	3.9
WSW	1.4	.1	.4									1.8	4.0
W	4.2	.5	.1	.1								4.9	3.2
WNW	1.4	1.0	1.5	.2								4.6	5.3
NW	4.1	3.9	6.0	2.3	.6							16.9	7.2
NNW	1.1	1.4	5.7	2.7	.6							12.0	9.0
VAPBL													
CALM												9.6	
	27.8	20.9	33.0	7.4	1.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
 STATION

FORT SIMPSON NWT DUT  
 STATION NAME

57-66  
 YEARS

DCT  
 MONTH

ALL WEATHER  
 CLASS

0900-1100  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.5	1.7	.8	.2							5.8	7.1
NNE	.8	.3	.4									1.5	4.5
NE	.6											.6	2.5
ENE	.5											.5	2.2
E	1.4	.1	.1									1.5	3.0
ESE	1.6	2.4	3.2	1.1	.1							8.4	7.1
SE	5.4	6.0	10.9	1.6								23.9	6.5
SSE	1.5	1.8	2.8	.9								7.0	6.9
S	1.4	.5	.2									2.2	3.3
SSW	.5	.2	.1									.9	3.8
SW	.5		.3	.1								1.0	5.6
WSW	.5	.4	.1	.3								1.4	6.1
W	2.4	.4	.3									3.1	3.5
WNW	1.7	1.0	1.3	.3								4.3	5.6
NW	4.2	4.5	6.9	2.9	.4							18.9	7.5
NNW	1.3	2.5	5.1	1.9	.2							11.0	8.3
VARBL													
CALM												6.0	
	26.0	21.7	33.4	9.9	1.0							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATION

PORT SIMPSON NWT DOT  
STATION NAME

57-66  
YEARS

CCT  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.5	1.9	.8								5.0	6.7
NNE	.3	.5	.4	.3								1.6	6.4
NE	.8	.2	.1									1.1	3.2
ENE	.2											.2	2.5
E	2.4	1.2	.8									4.3	4.0
ESE	1.5	1.8	4.4	.3	.5							8.6	7.5
SE	9.9	3.7	9.4	2.4								21.3	6.7
SSE	1.4	1.5	3.2	.4								6.6	6.6
S	1.2	.9	1.0									3.0	5.1
SSW	.5	.1	.2									.9	4.3
SW	.1	.3	.3									.8	6.3
WSW	.3		.5	.5								1.4	8.6
W	1.3	.4		.2								1.9	4.2
WNW	1.1	1.0	1.7	.3								4.1	6.3
NW	9.3	4.1	7.3	1.5	.4							18.6	6.8
NNW	1.6	3.1	4.4	2.6	.2							11.9	8.1
VARBL													
CALM												8.0	
	25.5	20.3	35.7	9.4	1.2							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

930



2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26210  
STATION

PIPT SIMPSON NWT DDT  
STATION NAME

57-66  
YEARS

GCT  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	2.2	.2								5.1	6.0
NNE	.3	.3	.3	.4								1.4	7.6
NE	1.0	.1	.1									1.2	3.4
ENE	.2	.1	.1									.4	4.5
E	1.3	1.4	.3	.1								3.1	4.4
ESE	2.7	1.5	2.7	1.1	.1							8.1	6.6
SE	5.5	5.2	10.4	2.0								23.1	6.7
SSE	1.6	1.7	3.0	.2								6.6	6.1
S	2.5	.1	.2									2.8	3.0
SSW	.5		.2									.8	3.9
SW	.8	.2	.4	.1								1.3	5.0
WSW	.8	.2	.5	.1								1.6	5.4
W	2.6	1.0	.3									3.9	3.8
WNW	2.5	.9	1.2	.2								4.7	4.9
NW	5.2	4.5	5.5	1.5	.2							16.9	6.2
NNW	1.6	1.8	4.6	2.4								10.4	8.2
VARBL													
CALM												8.5	
	30.3	20.3	32.2	8.4	.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

930

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

26210  
STATION

FORT SIMPSON NWT DNT  
STATION NAME

57-66  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.0	1.9	.2								5.6	5.6
NNE	.8	.2	.5	.1								1.6	5.3
NE	1.4	.5	.1									2.0	3.2
ENE	.2	.1										.3	3.7
E	1.1	.9	.5		.1							2.6	5.1
ESE	2.3	1.9	3.2	1.3								8.7	7.0
SE	4.8	5.2	10.1	2.3								22.4	6.8
SSE	1.1	1.3	2.4	.4								5.4	6.6
S	2.9	1.0	.6	.1								4.6	4.1
SSW	.4	.1										.5	3.2
SW	1.3	.6	.5									2.5	4.3
WSW	.8	.8	.3									1.8	4.5
W	2.9	.3	.2									3.4	3.0
WNW	2.9	1.4	1.1	.2	.1							5.7	5.0
NW	4.2	2.9	3.9	2.2								13.1	6.8
NNW	1.1	1.6	4.3	1.9	.2							9.1	8.4
VARBL													
CALM												10.5	
	29.5	21.1	29.8	8.7	.4							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

26210  
STATION

FORT SIMPSON NWT DDT  
STATION NAME

57-66  
YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N	1.4	1.5	1.6	.1								4.6	3.4
NNE	.5	.2										.8	3.4
NE	.8	.3	.2									1.3	4.0
ENE	.2	.1	.2									.5	3.8
E	1.0	.8	1.0	.2	.1							3.0	6.3
ESE	1.1	1.6	3.8	.8	.2							7.4	7.7
SE	4.5	5.4	10.6	1.3	.1							22.2	6.8
SSE	1.6	2.3	2.7	.3								6.9	6.1
S	2.0	1.0	.1									3.1	3.6
SSW	.3	.1	.1									.5	3.6
SW	1.0	.3	.2									1.5	3.5
WSW	.5	.1	.3									1.0	4.9
W	3.1	.5	.3	.1								4.1	3.6
WNW	2.5	.6	.5	1.0								4.6	6.0
NW	4.1	4.4	5.5	1.4	.1							15.5	6.4
NNW	1.1	1.3	3.7	1.7	.2	.1						10.1	8.8
VARBL												12.9	
CALM													
	25.7	20.5	32.9	7.1	.8	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USA<sup>4</sup>  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
STATION

FORT SIMPSON NWT DDT  
STATION NAME

57-66  
YEARS

N0V  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	2.6	.9	.1							5.8	7.7
NNE	.1		.1									.2	6.0
NE	.7											.7	2.5
ENE													
E	1.0	.2										1.2	2.7
ESE	1.7	1.2	.8	.2								3.9	5.0
SE	3.7	3.6	3.9	1.3	.1							14.6	6.4
SSE	2.2	1.8	2.7	.1								6.8	5.3
S	2.4	1.0	1.1	.1								4.7	4.5
SSW	.8	.2										1.0	3.0
SW	1.2	.3	.1									1.7	3.2
WSW	.4											.4	2.0
W	3.1	1.3	.3									4.8	3.6
WNW	2.4	1.8	1.7									5.9	4.8
NW	4.1	3.0	7.0	1.9								16.0	6.7
NNW	1.1	2.3	6.0	3.4	.3							15.2	8.8
VARBL													
CALM												17.2	
	20.1	17.9	30.2	8.0	.9							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

2621: FORT SIMPSON NWT OUT  
STATION STATION NAME

57-66

YEARS

NOV

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.6	2.3	1.1	.1							5.7	7.8
NNE	.1	.3										.4	4.5
NE	.4											.4	2.5
ENE	.1		.1									.2	4.5
E	.7	.4										1.1	3.6
ESE	1.0	1.0	.9									2.9	5.5
SE	3.4	2.9	6.9	.8								14.0	6.5
SSE	2.4	1.9	3.9	.1								8.3	5.7
S	3.2	1.0	1.0									5.2	4.2
SSW	.6		.1									.7	3.3
SW	1.0	.1										1.1	3.0
WSW	.9											.9	2.8
W	3.3	1.2	.3									4.9	3.6
WNW	1.9	2.4	2.0	.2								6.6	5.4
NW	4.3	3.8	7.2	1.3	.2							16.9	6.7
NNW	1.1	2.0	7.8	2.8	.4							14.1	9.0
VARBL													
CALM												16.6	
	26.1	17.7	32.6	6.3	.8							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DUT  
STATION NAME57-66  
YEARSNOV  
MONTHALL WEATHER  
CLASS0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	2.3	1.6								5.2	8.7
NNE	.1	.1	.1									.3	5.7
NE	.6	.2										.8	3.3
ENE													
E	1.1	.1	.2	.1								1.6	4.2
ESE	.4	1.1	1.1									2.7	5.7
SE	2.2	3.1	6.7	1.1								13.1	7.1
SSE	3.6	1.9	3.2	.4								9.1	5.5
S	2.7	1.2	.8									4.7	4.0
SSW	1.1	.2										1.3	3.2
SW	.8											.8	2.4
WSW	.8	.2	.1									1.1	3.5
W	3.6	.9	.1									4.6	3.3
WNW	3.3	2.1	3.0	.1	.2							8.8	5.7
NW	4.3	3.6	8.0	1.8								17.7	6.7
NNW	1.8	1.9	6.2	3.6	.3	.1						13.9	8.9
VARBL													
CALM												14.4	
	27.0	17.3	31.9	8.7	.6	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26210  
 STATION

FORT SIMPSON NWT DUT  
 STATION NAME

57-66  
 YEARS

NOV  
 MONTH

ALL WEATHER  
 CLASS

0900-1100  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	1.3	.6								4.4	6.9
NNE	.2	.1	.3									.7	6.0
NE	.2	.2										.4	4.0
ENE	.2											.3	2.5
E	1.1	.2	.1									1.4	3.4
ESE	1.0	1.1	1.8									3.9	6.0
SE	4.3	4.8	5.9	1.1								16.1	6.1
SSE	3.1	1.0	2.3	.2								6.7	5.5
S	2.3	.6	1.0									3.9	4.3
SSW	.7	.4										1.1	3.5
SW	1.3	.1	.1									1.6	3.2
WSW	.4	.1										.6	3.0
W	3.4	.9										4.3	3.2
WNW	2.7	1.6	.8									5.0	4.2
NW	4.2	5.3	11.1	2.8	.2							23.7	7.3
NNW	1.1	3.2	4.8	2.3	.3							11.8	8.4
VARBL													
CALM												14.7	
	27.4	21.0	29.6	7.2	.6							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

900

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
 STATION

PORT SIMPSON NWT DUT  
 STATION NAME

57-66  
 YEARS

NOV  
 MONTH

ALL WEATHER  
 CLASS

1200-1400  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.3	1.4	.3								4.3	7.1
NNE	.3		.1									.4	3.8
NE	.1	.2										.3	3.7
ENE	.3	.2										.4	3.2
E	.6	.4	.4									1.4	4.8
ESE	.4	1.2	1.4	.1								3.7	5.9
SE	3.4	3.3	6.4	.8								14.4	6.4
SSE	1.3	1.6	2.6	.9								6.3	7.2
S	2.4	1.4	.4									4.8	3.7
SSW	.7	.1										.8	2.9
SW	1.6											1.6	2.5
WSW	.0	.3										.5	3.4
W	3.3	.8										4.1	3.1
WNW	1.7	1.8	1.7									5.1	5.3
NW	4.8	6.6	10.0	2.6								23.9	6.8
NNW	2.0	2.0	6.4	2.2	.9							13.6	8.7
VARBL													
CALM												13.8	
	25.7	21.3	31.0	7.3	.9							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

900

USAFETAC

FORM  
 JUL 64

0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NWT DUT 57-66 YEARS NOV  
 NORTH  
 ALL WEATHER CLASS 1500-1700  
 HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	1.7	.6	.3							4.8	7.7
NNE	.1											.1	2.0
NE	.4	.2										.7	3.5
ENE	.3											.3	3.0
E	1.2	.3	.2									1.8	3.6
ESE	.9	1.8	1.3									4.0	5.4
SE	2.4	2.9	7.1	1.3								14.2	6.9
SSE	1.6	1.4	2.3	.2								5.6	5.9
S	2.4	1.4	.3									4.7	3.7
SSW	.6	.1										.7	3.2
SW	1.8											1.8	2.5
WSW	.9											.9	2.6
W	4.0	.6										4.6	3.0
WNW	3.4	1.9	1.3	.4								7.1	4.8
NW	5.2	3.6	9.4	2.2								20.4	6.8
NNW	1.2	2.1	6.4	3.3	.1							13.2	8.8
VARBL													
CALM												15.2	
	28.3	17.7	30.2	8.1	.4							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 900

2

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/ETAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210	PORT SIMPSON NWT DDT	57-66	VJW
STATION	STATION NAME	YEARS	BIRTH
ALL WEATHER			1800-2000
CLASS			HOURLS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.4	2.2	1.2	.2							5.4	8.2
NNE	.7	.1		.1								.9	3.5
NE	.8		.1									.9	3.3
ENE	.2	.1										.3	3.0
E	1.3	.4	.1									1.9	3.6
ESE	1.1	.6	2.2	.1								4.0	6.6
SE	3.3	2.7	8.0	1.3								15.3	6.8
SSE	1.1	2.6	2.1	.3								6.1	6.1
S	2.1	.6	.3									3.0	3.3
SSW	.6											.6	2.6
SW	.4											.4	2.5
WSW	1.4	.1										1.6	2.6
W	3.9	.8	.1									4.8	2.9
WNW	2.6	1.6	1.1	.2								5.4	4.8
NW	4.8	4.7	9.2	1.8	.3							20.8	6.8
NNW	1.2	2.2	5.3	2.6	.6							11.9	6.5
VARBL													
CALM												16.7	
	26.9	16.8	30.9	7.7	1.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 900

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DOT  
STATION NAME57-66  
YEARSJUN  
MONTHALL WEATHER  
CLASS2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.7	3.0	1.2								6.4	7.8
NNE	.2	.2										.4	4.0
NE	.8	.1	.1									1.0	3.3
ENE	.1											.1	2.0
E	.3	.3	.1									.8	4.3
ESE	1.3	.8	1.3									3.4	5.1
SE	3.2	3.7	7.8	1.0	.1							15.8	6.6
SSE	1.3	1.1	2.2	.6								5.2	6.4
S	2.2	.9	.2									3.3	3.4
SSW	.7			.1								.8	3.6
SW	.7	.3										1.0	3.3
WSW	.8											.8	2.4
W	2.6	1.3	.6									4.4	3.9
WNW	3.0	1.3	2.1	.6	.1							7.1	5.6
NW	5.1	5.3	7.0	1.6	.1							19.1	6.2
NNW	.8	1.7	6.6	2.4	.7							12.1	9.0
VARBL													
CALM												18.1	
	24.7	17.8	31.0	7.4	1.0							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

900

USAFETAC

FORM  
JUL 64

0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT DDT  
STATION NAME57-66  
YEARSDEC  
MONTHALL WEATHER  
CLASS0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.0	1.2	.8	.2							4.0	7.7
NNE	.1	.2										.3	4.7
NE	.1	.2										.3	3.3
ENE	.4	.1										.5	3.2
E	.2	.3	.3									.9	5.9
ESE	1.6	1.0	2.4	.3								5.3	6.2
SE	4.3	3.7	4.9	.8								13.7	5.8
SSE	1.5	1.3	3.2	.6								6.7	6.7
S	1.5		.4									1.9	3.5
SSW	.2	.1	.3									.6	6.2
SW	.4	.1										.5	2.4
WSW	.5	.1										.6	3.2
W	1.9											1.9	2.3
WNW	3.0	1.9	2.7	.6	.1							8.4	6.0
NW	5.9	6.0	8.7	1.5	.1							22.3	6.4
NNW	1.4	1.7	3.7	1.9	.3							9.0	8.5
VARBL													
CALM												23.0	
	24.1	17.7	27.8	6.6	.8							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

20210  
STATIONFORT SIMPSON NWT OUT  
STATION NAME57-66  
YEARSDEC  
MONTHALL WEATHER  
CLASS0300-0900  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.2	1.2	.5	.1							2.8	8.0
NNE	.1		.2									.3	7.0
NE	.2											.2	3.0
ENE	.2											.2	2.5
E	1.0	.1	.5									1.6	4.2
ESE	1.6	1.7	2.7	.3								6.3	5.9
SE	5.6	4.2	4.9	.3								15.1	5.2
SSE	1.3	1.3	3.2	.1								5.9	6.1
S	1.1	.3	.5	.1								2.0	3.0
SSW	.3		.3	.1								.9	6.6
SW	.8	.1										.9	2.8
WSW	.2											.2	2.0
W	1.5	.1	.1									1.7	2.9
WNW	5.1	1.3	2.6	.4								9.4	3.0
NW	5.3	6.6	7.5	.8	.1							20.2	6.1
NNW	1.3	1.4	3.2	3.2	.4							9.6	9.3
VARBL													
CALM												22.8	
	26.2	17.3	27.1	5.9	.6							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

20210 STATION      FORT SIMPSON NWT DUT      57-66      YEARS      DEC      MONTH  
0600-0800  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.3	1.0	.6								2.9	7.0
NNE	.3		.2									.5	4.8
NE	.4											.4	2.0
ENE													
E	.9	.3	.3									1.5	4.1
ESE	1.7	1.9	2.6	.1								6.3	5.8
SE	5.2	2.8	3.1	.4								13.4	5.5
SSE	2.4	1.6	2.2	.2								6.3	5.4
S	1.0	.3	.4									1.7	4.4
SSW	.8	.1	.3									1.2	4.3
SW	.6	.1	.3									1.1	4.7
WSW	.3	.1	.3									1.0	4.6
W	1.4	.3										1.7	2.9
WNW	3.9	1.7	2.2	.5								8.3	5.1
NW	6.6	5.5	9.4	1.0	.1							22.5	6.1
NNW	1.7	.6	3.3	2.5	.5							8.7	9.1
VARBL													
CALM												22.4	
	28.3	15.8	27.5	5.4	.6							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210 STATION FORT SIMPSON NWT DUT 57-66 DFC  
 STATION NAME YEARS NORTH  
 ALL WEATHER CLASS  
 0900-1100 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.4	.3	.5								2.4	6.0
NNE	.4		.3									.8	5.1
NE	.4	.1										.5	2.8
ENE	.3											.3	2.3
E	1.0	.2	.2									1.4	3.7
ESE	1.4	1.2	1.1	.3								4.0	5.3
SE	6.0	4.6	4.7	1.1	.1							16.6	5.6
SSE	1.7	1.2	1.6									4.5	5.2
S	1.7	.2	.3									2.3	3.4
SSW	.4	.1										.5	3.0
SW	.4	.2	.2									.6	4.4
WSW	.5	.1	.3									1.0	4.2
W	1.4	.2		.1								1.7	3.3
WNW	3.8	1.4	2.6	.2								8.0	5.0
NW	5.6	4.0	11.8	1.9	.8							24.1	7.2
NNW	1.9	1.5	3.9	1.0	.5							8.8	7.8
VARBL													
CALM												22.4	
	28.2	15.5	27.4	5.2	1.4							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATION

FORT SIMPSON NWT DUT  
STATION NAME

57-66  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.4	1.1	.3								3.3	4.0
NNE	.5											.3	2.2
NE	.1											.1	2.0
ENE	.6											.6	2.2
E	.6	.2	.1									1.0	3.7
ESE	2.9	1.0	.6	.2								4.7	4.4
SE	6.9	4.0	5.8	1.1								17.7	5.7
SSE	1.6	1.8	1.7	.3								5.4	5.8
S	1.6	.3	.2									2.2	3.4
SSW	.8	.1	.1									1.0	3.3
SW	.5	.3		.1								1.0	4.3
WSW	.1		.2									.3	6.3
W	1.0	.4	.1									1.4	3.3
WNW	3.0	1.4	1.6	.3								6.3	5.0
NW	6.7	5.9	11.4	2.3	.3	.1						26.7	6.7
NNW	1.5	1.6	4.7	1.5	.4							9.8	6.2
VARBL													
CALM												17.7	
	30.0	17.5	27.7	6.1	.8	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

930



2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/AC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

26210  
 STATION

FORT SIMPSON NWT DDT  
 STATION NAME

57-66  
 YEARS

SFC  
 NORTH

ALL WEATHER  
 CLASS

1500-1700  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.5	1.1	.3								3.2	5.9
NNE			.2									.2	7.0
NE	.3											.3	7.3
ENE	.2	.1										.3	3.0
E	.3	.2	.2									.5	5.3
ESE	.9	1.2	1.3	.5								3.9	6.3
SE	4.1	4.9	5.2	1.0	.1							15.3	6.0
SSE	1.4	1.3	2.5	.3								5.5	6.5
S	1.2	.6	.4									2.3	4.1
SSW	.4											.4	2.5
SW	.6	.2	.1									1.0	3.8
WSW	.2		.2									.4	3.0
W	1.9	.1										2.0	2.6
WNW	4.1	1.4	1.7	.6								7.8	5.1
NW	6.9	8.0	9.8	1.7	.2	.2						26.8	6.4
NNW	2.0	1.7	3.9	1.4	.4							9.5	7.7
VARBL													
CALM												20.3	
	25.9	20.3	26.6	5.9	.8	.2						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26210 STATION FORT SIMPSON NWT OUT

57-66

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.3	1.3	.0								3.1	7.1
NNE	.2	.1	.1									.4	5.3
NE	.4											.4	2.0
ENE	.1											.1	1.0
E	.9	.3	.2	.2								1.6	5.3
ESE	1.3	.3	1.8	.3								3.8	6.4
SE	3.2	3.3	3.2	1.3								13.3	6.4
SSE	2.5	2.4	2.0	.4								7.3	5.6
S	1.2	.9	.4									2.5	4.3
SSW	.5	.2										.5	3.3
SW	.2	.1										.3	3.3
WSW	.6	.4										1.1	3.2
W	1.0	.6	.1									2.4	3.3
WNW	2.8	2.5	1.8	.6								7.7	5.6
NW	6.0	6.3	9.7	1.8	.5	.1	.1					24.6	6.8
NNW	2.8	1.7	4.0	1.7	.1							10.3	7.1
VARBL													
CALM												20.2	
	25.0	19.0	26.7	7.1	.0	.1	.1					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
 FTAC/USAF  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

20210  
STATIONFORT SIMPSON NWT DDT  
STATION NAME57-66  
YEARSDEC  
MONTHALL WEATHER  
CLASS2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.3	1.7	.6								3.5	7.5
NNE	.1		.1									.2	5.5
NE	.1											.1	2.0
ENE	.4	.1										.5	2.8
E	.6	.2	.1									1.0	3.8
ESE	1.1	1.0	1.9	.4								4.4	6.9
SE	4.4	2.4	4.6	1.2								12.6	6.2
SSE	2.3	1.3	3.4	.2								7.2	6.4
S	1.3	.3	.3									1.9	3.8
SSW	.4											.4	2.8
SW	.8											.8	2.4
WSW	.3	.1										.4	3.3
W	2.6	.3	.1									3.0	2.3
WNW	3.7	1.4	2.8	.3								8.2	5.6
NW	6.0	7.0	10.2	2.0	.4							23.7	6.7
NNW	2.8	1.3	3.3	1.7	.2							6.4	7.3
VARBL													
CALM												20.6	
	27.7	15.7	28.7	6.6	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

930

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

26210  
STATIONFORT SIMPSON NWT D.T.  
STATION NAME57-66  
YEARSALL  
MONTHINSTRUMENT  
CLASSALL  
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.0	2.1	1.2	.2	.0						5.9	7.9
NNE	.5	.2	.2	.1	.0							1.0	5.7
NE	.6	.3	.0	.0								1.1	3.4
ENE	.4	.2	.0	.0								.6	3.9
E	1.1	.6	.6	.0								2.4	4.7
ESE	1.2	1.1	2.8	.7	.1							5.8	7.3
SE	2.8	2.8	6.6	1.3	.0							13.6	7.0
SSE	1.2	1.1	1.8	.3	.0							4.4	6.2
S	1.0	.4	.3	.0								1.4	4.0
SSW	.5	.1	.0	.0								.6	3.5
SW	.4	.0	.1	.0								.5	3.7
WSW	.3	.0	.0	.0								.4	3.6
W	1.2	.3	.2	.0	.0							1.7	3.6
WNW	1.4	1.3	2.0	.5	.0							5.2	6.3
NW	4.5	4.9	10.2	3.5	.5	.0	.0					23.7	7.6
NNW	1.6	2.5	8.8	5.7	1.1	.2	.0					19.8	9.8
VARBL													
CALM												11.3	
	20.4	16.9	35.7	13.5	2.0	.2	.0					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

8645

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{5}{16}$	$\geq \frac{1}{8}$
NO CEILING														
1600														
1500					91.0									92.6
1200														
1000														
900														
800														
700														
600														
500									97.4					98.1
400														
300														
200														
100														
0					95.4		96.9		98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

**EXAMPLE # 4** Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

**EXAMPLE # 5** To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION  
USAF ETAC  
FORM 0-14-5 (OL 1)

# CEILING VERSUS VISIBILITY

STATION 24217 FAIRPORT, PA IN 1966 7-66 11 11  
STATION NAME FAIRPORT, PA YEARS MONTH  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS) HOURS 11

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	48.6	48.5	48.6	48.6	48.7	48.7	48.8	48.8	48.8	49.0	49.0	49.0	49.1	49.1	49.2	49.3
IV 20000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.7	52.7
IV 18000	52.5	52.9	53.0	53.1	53.2	53.2	53.3	53.3	53.3	53.5	53.5	53.5	53.6	53.6	53.7	53.8
IV 16000	52.7	53.1	53.1	53.2	53.2	53.3	53.4	53.5	53.5	53.6	53.7	53.7	53.8	53.8	53.9	53.9
IV 14000	53.4	53.8	53.9	54.0	54.1	54.1	54.2	54.2	54.2	54.4	54.4	54.4	54.5	54.5	54.6	54.7
IV 12000	54.4	54.7	55.4	55.4	55.5	55.5	55.6	55.6	55.6	55.8	55.8	55.8	56.0	56.0	56.1	56.1
IV 10000	58.4	58.9	59.0	59.1	59.2	59.3	59.4	59.4	59.4	59.6	59.6	59.6	59.8	59.8	59.9	59.9
IV 9000	61.4	62.0	62.1	62.2	62.4	62.4	62.6	62.6	62.6	62.8	62.8	62.8	63.0	63.0	63.1	63.1
IV 8000	63.1	63.8	66.0	66.2	66.4	66.4	66.6	66.7	66.7	66.9	66.9	66.9	67.1	67.1	67.2	67.2
IV 7000	67.8	68.6	68.8	69.0	69.3	69.4	69.6	69.6	69.6	69.9	69.9	69.9	70.0	70.0	70.1	70.2
IV 6000	69.0	69.8	70.0	70.2	70.5	70.6	70.8	70.8	70.8	71.1	71.1	71.1	71.2	71.3	71.4	71.4
IV 5000	72.5	73.4	73.7	73.9	74.2	74.3	74.5	74.6	74.6	74.8	74.9	74.9	75.0	75.0	75.1	75.2
IV 4500	73.4	74.3	74.6	74.8	75.2	75.2	75.5	75.5	75.5	75.8	75.8	75.8	76.0	76.0	76.1	76.1
IV 4000	76.6	77.7	78.0	78.3	78.7	78.8	79.1	79.2	79.2	79.4	79.5	79.5	79.6	79.6	79.7	79.8
IV 3500	77.7	78.6	79.2	79.5	79.9	80.0	80.3	80.4	80.4	80.7	80.7	80.7	80.9	80.9	81.0	81.0
IV 3000	80.2	81.5	81.9	82.3	82.8	82.9	83.3	83.4	83.4	83.8	83.9	83.9	84.0	84.0	84.1	84.1
IV 2500	81.9	83.3	83.8	84.2	84.9	84.9	85.4	85.6	85.6	86.0	86.1	86.1	86.2	86.3	86.3	86.4
IV 2000	84.9	85.5	86.1	86.5	87.3	87.4	88.1	88.3	88.4	88.9	89.0	89.0	89.2	89.2	89.3	89.3
IV 1800	84.3	85.9	86.4	86.9	87.7	87.8	88.5	88.7	88.8	89.3	89.4	89.4	89.6	89.6	89.7	89.7
IV 1500	85.8	87.5	88.1	88.6	89.5	89.6	90.4	90.8	90.8	91.5	91.7	91.7	91.8	91.8	91.9	92.0
IV 1200	86.9	88.8	89.3	89.9	90.9	90.9	91.7	92.2	92.2	92.9	93.2	93.2	93.3	93.4	93.5	93.5
IV 1000	86.4	88.5	89.1	89.7	90.7	90.8	91.7	92.2	92.2	93.3	93.6	93.6	93.8	93.8	93.9	94.0
IV 900	88.7	90.8	91.4	92.0	93.0	93.1	94.0	94.5	94.5	95.6	95.9	96.0	96.2	96.2	96.3	96.4
IV 800	91.1	91.2	91.9	92.5	93.5	93.6	94.5	95.1	95.1	96.2	96.6	96.6	96.9	96.9	97.0	97.1
IV 700	91.5	91.6	92.3	92.9	94.0	94.1	95.0	95.5	95.5	96.7	97.1	97.1	97.4	97.4	97.5	97.6
IV 600	91.7	92.0	92.6	93.3	94.3	94.4	95.4	95.9	95.9	97.1	97.5	97.5	97.8	97.8	97.9	98.0
IV 500	90.0	92.3	93.0	93.6	94.7	94.8	95.8	96.3	96.4	97.5	98.0	98.0	98.4	98.4	98.5	98.6
IV 400	90.2	92.5	93.2	93.9	95.0	95.1	96.1	96.6	96.7	97.8	98.3	98.3	98.8	98.8	98.9	99.0
IV 300	90.4	92.7	93.4	94.1	95.2	95.3	96.3	96.9	96.9	98.1	98.6	98.6	99.1	99.1	99.2	99.3
IV 200	90.4	92.6	93.5	94.2	95.4	95.5	96.5	97.1	97.1	98.4	98.9	98.9	99.4	99.4	99.5	99.6
IV 100	90.4	92.8	93.4	94.2	95.4	95.5	96.5	97.1	97.1	98.4	98.9	98.9	99.4	99.4	99.5	99.6
IV 0	90.4	92.8	93.4	94.2	95.4	95.5	96.5	97.1	97.1	98.4	98.9	98.9	99.4	99.4	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS 27601



DATA PROCESSING DIVISION  
USAF ETAC  
AIR FORCE SERVICE/AC

## CEILING VERSUS VISIBILITY

7-610 FORM 10-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

NO. OF HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING	49.7	49.9	50.2	50.4	50.7	50.7	51.0	51.1	51.1	51.7	51.8	51.8	52.1	52.1	52.1	52.2
IV 20000	50.5	51.7	51.9	52.2	52.5	52.5	52.8	52.9	52.9	53.4	53.6	53.6	53.9	53.9	54.0	54.0
IV 18000	50.5	51.7	51.9	52.2	52.5	52.5	52.8	52.9	52.9	53.4	53.6	53.6	53.9	53.9	54.0	54.0
IV 16000	50.5	51.7	52.0	52.2	52.6	52.6	52.8	53.0	53.0	53.5	53.7	53.7	54.0	54.0	54.0	54.1
IV 14000	50.9	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 12000	51.0	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 10000	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 9000	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 8000	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 7000	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 6000	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 5000	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 4500	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 4000	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 3500	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 3000	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 2500	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 2000	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 1800	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 1500	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 1200	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 1000	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 900	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 800	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 700	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 600	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 500	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 400	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 300	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 200	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 100	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5
IV 0	51.1	52.1	52.4	52.6	52.9	52.9	53.2	53.3	53.3	53.9	54.1	54.1	54.4	54.4	54.4	54.5

TOTAL NUMBER OF OBSERVATIONS 7400

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26210

FORT SIMPSON NWT OUT

57-66

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	52.3	52.7	52.7	52.8	52.8	52.8	52.9	52.9	52.9	53.0	53.0	53.0	53.1	53.1	53.3	53.3
IV 20000	55.5	56.0	56.1	56.2	56.3	56.3	56.5	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.9	56.9
IV 18000	55.5	56.1	56.2	56.2	56.3	56.3	56.5	56.5	56.5	56.6	56.6	56.7	56.7	56.7	56.9	56.9
IV 16000	55.6	56.1	56.2	56.3	56.4	56.4	56.6	56.6	56.6	56.7	56.7	56.7	56.8	56.8	57.0	57.0
IV 14000	56.1	56.6	56.8	56.8	56.9	56.9	57.1	57.1	57.1	57.2	57.3	57.3	57.3	57.3	57.5	57.5
IV 12000	57.4	58.0	58.1	58.2	58.3	58.3	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.9	58.9
IV 10000	60.9	61.6	61.7	61.7	61.9	61.9	62.1	62.2	62.2	62.3	62.3	62.3	62.3	62.4	62.6	62.6
IV 9000	63.8	64.6	64.7	64.8	65.0	65.0	65.3	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.8	65.8
IV 8000	67.2	68.3	68.5	68.8	69.1	69.1	69.4	69.5	69.5	69.7	69.7	69.7	69.8	69.8	70.0	70.0
IV 7000	71.3	72.7	72.9	73.3	73.7	73.8	74.1	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.9	74.9
IV 6000	71.9	73.3	73.6	73.9	74.4	74.4	74.7	74.9	74.9	75.2	75.3	75.3	75.3	75.3	75.5	75.5
IV 5000	74.6	76.3	76.6	77.1	77.6	77.7	78.1	78.2	78.3	78.5	78.6	78.6	78.6	78.6	78.9	78.9
IV 4500	75.1	76.9	77.3	77.7	78.4	78.4	78.8	78.9	79.0	79.3	79.3	79.3	79.3	79.3	79.6	79.6
IV 4000	78.0	80.0	80.5	80.9	81.6	81.7	82.1	82.3	82.3	82.6	82.7	82.7	82.7	82.7	82.9	82.9
IV 3500	78.9	81.1	81.5	81.9	82.7	82.7	83.2	83.4	83.4	83.7	83.8	83.8	83.8	83.8	84.1	84.1
IV 3000	81.0	83.6	84.1	84.7	85.7	85.7	86.3	86.6	86.6	87.1	87.2	87.2	87.3	87.3	87.5	87.5
IV 2500	82.8	85.6	86.2	86.9	88.0	88.2	88.8	89.1	89.1	89.8	89.9	89.9	89.9	89.9	90.2	90.2
IV 2000	84.4	87.6	88.2	89.0	90.3	90.4	91.4	91.8	91.9	92.6	92.8	92.8	92.8	92.9	93.1	93.1
IV 1800	84.7	87.8	88.5	89.2	90.6	90.7	91.6	92.1	92.1	92.9	93.1	93.1	93.2	93.2	93.4	93.4
IV 1500	85.7	88.9	89.6	90.4	91.9	92.0	93.1	93.7	93.8	94.9	95.2	95.2	95.3	95.3	95.6	95.6
IV 1200	90.5	89.9	90.6	91.4	92.9	93.0	94.1	94.8	94.9	96.1	96.4	96.4	96.6	96.6	96.8	96.8
IV 1000	97.2	90.6	91.4	92.2	93.8	94.0	95.2	95.9	95.9	97.4	97.8	97.8	98.0	98.0	98.2	98.2
IV 900	97.2	90.7	91.4	92.3	93.9	94.1	95.2	96.0	96.0	97.5	97.9	97.9	98.2	98.2	98.4	98.4
IV 800	97.3	91.0	91.7	92.5	94.2	94.4	95.5	96.3	96.3	97.8	98.3	98.3	98.6	98.6	98.8	98.8
IV 700	97.3	91.0	91.8	92.6	94.3	94.4	95.6	96.4	96.4	97.9	98.4	98.4	98.7	98.7	99.0	99.0
IV 600	97.6	91.1	91.9	92.7	94.4	94.5	95.7	96.5	96.5	98.1	98.5	98.5	98.9	98.9	99.2	99.2
IV 500	97.7	91.3	92.0	92.9	94.5	94.7	95.9	96.7	96.7	98.3	98.7	98.7	99.1	99.1	99.4	99.4
IV 400	97.7	91.3	92.1	92.9	94.6	94.8	96.0	96.8	96.8	98.4	98.9	98.9	99.3	99.3	99.6	99.6
IV 300	97.7	91.3	92.1	93.0	94.6	94.8	96.0	96.8	96.9	98.4	98.9	98.9	99.4	99.4	99.7	99.7
IV 200	97.7	91.3	92.1	93.0	94.6	94.8	96.0	96.8	96.9	98.5	99.0	99.0	99.6	99.6	99.9	99.9
IV 100	97.7	91.3	92.1	93.0	94.6	94.8	96.0	96.8	96.9	98.5	99.0	99.0	99.6	99.6	99.9	99.9
IV 0	97.7	91.3	92.1	93.0	94.6	94.8	96.0	96.8	96.9	98.5	99.0	99.0	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

DATA PROCESSING DIVISION  
USAF ETAC  
AIR TEST CENTER, WILLOW GROVE, PA

# CEILING VERSUS VISIBILITY

STATION: WILLOW GROVE, PA DATE: 1-1-66

STATION: WILLOW GROVE, PA

YEARS: 1

MONTH: 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY PERCENT

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	55.5	55.8	55.9	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 18000	60.2	60.6	60.8	60.8	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 15000	60.2	60.7	60.8	60.9	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3
IV 14000	60.5	61.0	61.2	61.3	61.4	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 12000	61.5	62.1	62.3	62.4	62.5	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 10000	65.1	65.8	66.0	66.2	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 9000	67.2	68.1	68.3	68.3	68.5	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 8000	71.8	73.1	73.5	73.8	74.3	74.4	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 7000	74.1	75.6	76.1	76.5	77.0	77.2	77.4	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 6000	74.7	76.2	76.8	77.2	77.8	78.0	78.3	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 5000	77.5	79.3	79.9	80.4	81.1	81.2	81.6	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 4500	78.1	79.9	80.6	81.0	81.8	81.9	82.3	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4000	80.6	82.6	83.5	84.0	84.9	85.1	85.6	85.8	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2
IV 3500	81.1	83.3	84.2	84.7	85.7	85.8	86.3	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 3000	83.1	85.6	86.6	87.3	88.5	88.6	89.3	89.6	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1
IV 2500	84.0	87.4	88.6	89.4	90.6	90.8	91.5	91.8	91.8	92.3	92.4	92.4	92.4	92.4	92.4	92.4
IV 2000	85.7	88.6	89.9	90.8	92.2	92.4	93.3	93.9	93.9	94.8	95.0	95.0	95.1	95.1	95.1	95.1
IV 1800	86.1	89.0	90.2	91.1	92.6	92.8	93.9	94.3	94.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5
IV 1500	86.7	89.8	91.0	92.0	93.6	93.9	95.1	95.6	95.6	97.0	97.2	97.2	97.4	97.4	97.4	97.4
IV 1200	87.2	90.4	91.6	92.7	94.3	94.5	95.8	96.3	96.3	97.8	98.2	98.2	98.3	98.3	98.4	98.4
IV 1000	87.3	90.6	91.8	92.8	94.5	94.8	96.2	96.8	96.8	98.7	99.1	99.1	99.3	99.3	99.3	99.3
IV 900	87.3	90.6	91.8	92.8	94.5	94.8	96.2	96.8	96.8	98.7	99.1	99.2	99.3	99.3	99.4	99.4
IV 800	87.4	90.6	91.8	92.9	94.6	94.8	96.2	96.8	96.9	98.8	99.3	99.3	99.5	99.5	99.6	99.6
IV 700	87.4	90.6	91.9	92.9	94.6	94.8	96.2	96.9	96.9	98.8	99.4	99.5	99.7	99.7	99.8	99.8
IV 600	87.4	90.6	91.9	92.9	94.6	94.8	96.2	96.9	96.9	98.8	99.4	99.5	99.7	99.7	99.8	99.8
IV 500	87.4	90.6	91.9	92.9	94.6	94.9	96.2	96.9	96.9	98.8	99.4	99.5	99.8	99.8	99.9	99.9
IV 400	87.4	90.6	91.9	92.9	94.6	94.9	96.2	96.9	96.9	98.8	99.4	99.5	99.8	99.9	99.9	99.9
IV 300	87.4	90.6	91.9	92.9	94.6	94.9	96.2	96.9	96.9	98.9	99.4	99.5	99.9	99.9	100.0	100.0
IV 200	87.4	90.6	91.9	92.9	94.6	94.9	96.2	96.9	96.9	98.9	99.4	99.5	99.9	99.9	100.0	100.0
IV 100	87.4	90.6	91.9	92.9	94.6	94.9	96.2	96.9	96.9	98.9	99.4	99.5	99.9	99.9	100.0	100.0
IV 0	87.4	90.6	91.9	92.9	94.6	94.9	96.2	96.9	96.9	98.9	99.4	99.5	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7460

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

10210 EIGHT SIMPSON W/T OUT

57-66

YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (6.1)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 18000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8
IV 16000	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 14000	60.8	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 12000	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 10000	62.4	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 9000	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 8000	69.2	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7
IV 7000	72.4	72.7	72.7	72.8	72.9	72.9	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 6000	74.6	74.9	75.0	75.1	75.3	75.3	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 5000	75.4	75.8	75.8	75.9	76.1	76.1	76.2	76.3	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5
IV 4500	78.4	78.9	79.0	79.2	79.4	79.4	79.5	79.6	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8
IV 4000	79.2	79.8	79.9	80.1	80.3	80.3	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3500	81.8	82.5	82.7	83.0	83.3	83.3	83.5	83.7	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9
IV 3000	83.7	84.6	84.8	85.1	85.4	85.4	85.6	85.8	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500	86.3	87.3	87.5	87.9	88.3	88.3	88.6	88.7	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0
IV 2000	87.8	88.9	89.3	89.8	90.4	90.5	90.8	90.9	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	89.9	91.0	91.5	92.0	92.7	92.8	93.3	93.6	93.6	94.0	94.2	94.2	94.2	94.2	94.2	94.2
IV 1500	90.2	91.4	91.8	92.3	93.1	93.2	93.7	94.0	94.0	94.4	94.6	94.6	94.6	94.6	94.6	94.6
IV 1200	91.1	92.4	93.0	93.4	94.3	94.3	95.0	95.3	95.3	95.9	96.1	96.1	96.2	96.2	96.2	96.2
IV 1000	91.7	93.1	93.7	94.2	95.0	95.1	95.8	96.2	96.2	96.9	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	92.3	93.8	94.5	95.0	96.0	96.1	96.8	97.3	97.3	98.5	98.9	98.9	99.2	99.2	99.2	99.2
IV 800	92.4	93.9	94.5	95.1	96.0	96.1	96.8	97.3	97.3	98.5	99.0	99.0	99.2	99.3	99.3	99.3
IV 700	92.4	93.9	94.6	95.1	96.1	96.2	96.8	97.3	97.4	98.6	99.0	99.0	99.4	99.5	99.6	99.6
IV 600	92.4	94.0	94.6	95.2	96.2	96.3	96.9	97.4	97.5	98.7	99.1	99.2	99.5	99.6	99.7	99.7
IV 500	92.4	94.0	94.7	95.2	96.2	96.3	97.0	97.5	97.5	98.7	99.2	99.2	99.6	99.7	99.8	99.8
IV 400	92.4	94.0	94.7	95.2	96.2	96.3	97.0	97.5	97.5	98.7	99.2	99.2	99.7	99.8	99.9	99.9
IV 300	92.4	94.0	94.7	95.2	96.2	96.3	97.0	97.5	97.5	98.7	99.2	99.2	99.7	99.8	99.9	99.9
IV 200	92.4	94.0	94.7	95.2	96.2	96.3	97.0	97.5	97.5	98.7	99.2	99.2	99.7	99.8	100.0	100.0
IV 100	92.4	94.0	94.7	95.2	96.2	96.3	97.0	97.5	97.5	98.7	99.2	99.2	99.7	99.8	100.0	100.0
IV 0	92.4	94.0	94.7	95.2	96.2	96.3	97.0	97.5	97.5	98.7	99.2	99.2	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

24710 FORT STANLEY, N.D. 58101

57-46

YEARS

AY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (24)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING N 20000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
N 18000 N 16000	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2
N 14000 N 12000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
N 10000 N 9000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6
N 8000 N 7000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
N 6000 N 5000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
N 4500 N 4000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8
N 3500 N 3000	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3
N 2500 N 2000	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5
N 1800 N 1500	89.1	89.2	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
N 1200 N 1000	92.2	92.6	92.7	92.7	92.8	92.8	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
N 900 N 800	93.0	93.3	93.5	93.5	93.6	93.6	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9
N 700 N 600	94.6	95.1	95.3	95.4	95.5	95.5	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
N 500 N 400	95.5	96.1	96.3	96.4	96.6	96.6	96.8	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1
N 300 N 200	97.0	97.8	97.9	98.1	98.3	98.3	98.5	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9
N 100 N 0	97.1	97.9	98.0	98.2	98.4	98.4	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1
	97.6	98.1	98.3	98.5	98.7	98.7	98.9	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4
	97.5	98.2	98.4	98.6	98.8	98.8	99.0	99.2	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6
	97.7	98.4	98.6	98.8	99.0	99.0	99.2	99.5	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9
	97.7	98.4	98.6	98.8	99.0	99.0	99.2	99.5	99.5	99.7	99.8	99.8	99.9	100.0	100.0	100.0
	97.7	98.4	98.6	98.8	99.0	99.0	99.2	99.5	99.5	99.7	99.8	99.8	99.9	100.0	100.0	100.0
	97.7	98.4	98.6	98.8	99.0	99.0	99.2	99.5	99.5	99.7	99.8	99.8	99.9	100.0	100.0	100.0
	97.7	98.4	98.6	98.8	99.0	99.0	99.2	99.5	99.5	99.7	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7393

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2621C FORT SIMPSON NWT OUT

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURLY (CET)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 20000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 18000	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 16000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 14000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2
IV 12000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6
IV 10000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 9000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2
IV 8000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6
IV 7000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0
IV 6000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6
IV 5000	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3
IV 4500	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3
IV 4000	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9
IV 3500	89.7	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 3000	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
IV 2500	93.2	93.4	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7
IV 2000	94.6	94.9	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2
IV 1800	94.7	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5
IV 1500	96.2	96.7	96.8	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1
IV 1200	96.6	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	97.3	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7
IV 900	97.6	98.3	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	97.8	98.5	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1
IV 700	97.9	98.6	98.7	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3
IV 600	98.1	98.8	98.9	99.0	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
IV 500	98.1	98.9	99.1	99.2	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 400	98.1	98.9	99.1	99.2	99.3	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IV 300	98.1	98.9	99.1	99.2	99.3	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8
IV 200	98.2	98.9	99.1	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9
IV 100	98.2	98.9	99.1	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.8	99.8	99.9	99.9	100.0	100.0
IV 0	98.2	98.9	99.1	99.2	99.4	99.4	99.6	99.6	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION 24210 FOOT STAPSON UNIT 57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURLY (GMT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.7	51.1	51.1	51.2	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 20000	57.7	57.7	57.7	57.8	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1
IV 18000	57.6	57.9	57.9	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3
IV 16000	57.6	58.0	58.0	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4
IV 14000	58.5	59.0	59.0	59.1	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4
IV 12000	60.9	61.4	61.4	61.5	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8
IV 10000	64.9	65.3	65.3	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7
IV 9000	68.5	69.0	69.0	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.4	69.4
IV 8000	72.8	73.3	73.3	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 7000	73.8	74.3	74.3	74.3	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8
IV 6000	75.6	76.1	76.1	76.2	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6
IV 5000	81.2	81.7	81.7	81.8	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2
IV 4500	82.1	82.6	82.7	82.8	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 4000	85.9	86.5	86.5	86.6	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0
IV 3500	86.8	87.4	87.4	87.5	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9
IV 3000	90.6	90.2	90.3	90.4	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8
IV 2500	91.0	91.6	91.7	91.8	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 2000	92.8	93.5	93.6	93.7	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2
IV 1800	92.9	93.6	93.7	93.8	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3
IV 1500	94.7	94.4	94.6	94.7	95.0	95.0	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.4	95.4
IV 1200	94.3	95.1	95.3	95.4	95.7	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.1	96.1	96.1
IV 1000	92.3	96.2	96.4	96.7	97.0	97.0	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.7	97.7	97.7
IV 900	95.6	96.7	97.0	97.2	97.5	97.5	97.9	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.3	98.3
IV 800	96.0	97.2	97.4	97.7	98.0	98.1	98.4	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	96.0	97.3	97.6	97.9	98.2	98.2	98.6	98.7	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0
IV 600	96.2	97.6	97.9	98.2	98.5	98.5	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.4	99.4
IV 500	96.3	97.8	98.0	98.4	98.7	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.6	99.6	99.6
IV 400	96.3	97.8	98.1	98.5	98.8	98.8	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 300	96.4	97.9	98.1	98.5	98.8	98.9	99.3	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 200	96.4	97.9	98.2	98.6	98.9	98.9	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 100	96.4	97.9	98.2	98.6	98.9	98.9	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IV 0	96.4	97.9	98.2	98.6	98.9	98.9	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7460

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

26210 STATION ELDT STATION NWT STATION NAME

57-66 YEARS

MONTH

HOURLY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	51.0	52.0	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.6	52.6	52.7	52.9
≥ 20000	56.8	57.2	57.3	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.9	57.9	58.0	58.1
IV 18000	56.9	57.3	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	58.0	58.0	58.1	58.2
IV 16000	57.1	57.5	57.6	57.7	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.2	58.2	58.2	58.4
IV 14000	58.0	58.4	58.5	58.6	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	59.1	59.1	59.1	59.3
IV 12000	59.8	60.2	60.4	60.5	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8	61.0	61.0	61.0	61.2
IV 10000	64.4	64.8	65.0	65.1	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.6	65.6	65.6	65.8
IV 9000	68.6	69.1	69.2	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.7	69.7	69.8	69.8	69.9	70.1
IV 8000	72.7	73.1	73.3	73.5	73.6	73.6	73.7	73.7	73.7	73.7	73.8	73.8	73.9	73.9	74.0	74.2
IV 7000	75.7	76.2	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.9	76.9	77.0	77.2
IV 6000	77.0	77.5	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.3	78.3	78.3	78.5
IV 5000	80.8	80.9	81.1	81.2	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.7	81.7	81.8	81.9
IV 4500	81.6	82.1	82.3	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.9	82.9	83.0	83.2
IV 4000	85.3	85.9	86.1	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.7	86.7	86.8	87.0
IV 3500	86.3	86.6	87.0	87.2	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.7	87.7	87.7	87.9
IV 3000	88.2	88.8	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.7	89.7	89.7	89.9
IV 2500	89.9	90.3	90.8	90.9	91.1	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.4	91.4	91.5	91.7
IV 2000	91.9	92.6	92.8	93.1	93.2	93.3	93.4	93.4	93.4	93.4	93.5	93.5	93.6	93.6	93.7	93.9
IV 1800	92.1	92.8	93.0	93.2	93.4	93.5	93.6	93.6	93.6	93.6	93.7	93.7	93.8	93.8	93.9	94.1
IV 1500	93.9	94.6	94.9	95.1	95.3	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.7	95.7	95.8	95.9
IV 1200	94.5	95.2	95.4	95.7	95.8	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.5
IV 1000	96.0	96.8	97.1	97.4	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.8	98.0	98.0	98.1	98.2
IV 900	96.1	96.9	97.2	97.5	97.6	97.7	97.8	97.8	97.8	97.9	97.9	97.9	98.1	98.1	98.1	98.3
IV 800	96.3	97.1	97.5	97.8	98.0	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.5	98.5	98.5	98.7
IV 700	96.4	97.3	97.7	97.9	98.2	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.7	98.7	98.8	98.9
IV 600	96.5	97.4	97.8	98.1	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.8	98.8	98.9	99.0
IV 500	96.7	97.6	98.0	98.2	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.8	99.0	99.0	99.1	99.3
IV 400	96.7	97.6	98.0	98.2	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.8	99.0	99.0	99.1	99.3
IV 300	96.8	97.6	98.0	98.3	98.5	98.7	98.8	98.8	98.8	98.9	99.0	99.0	99.2	99.2	99.3	99.4
IV 200	96.8	97.7	98.1	98.4	98.6	98.7	98.9	98.9	98.9	99.0	99.1	99.1	99.3	99.3	99.3	99.7
IV 100	96.8	97.7	98.1	98.4	98.6	98.7	98.9	98.9	98.9	99.0	99.1	99.1	99.3	99.3	99.3	99.8
IV 0	96.8	97.7	98.1	98.4	98.6	98.7	98.9	98.9	98.9	99.0	99.1	99.1	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 744C



DATA PROCESSING DIVISION  
SAFETY  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NAME: STATION NAME

STATION NUMBER: 37-46

YEARS: 1964

MONTH: SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURLY: 1

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	44.9	40.0	40.0	40.0	40.0	40.0	40.1	40.1	40.1	40.2	40.2	40.2	40.4	40.4	40.8	40.7
IV 18000	44.0	44.0	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.4	44.4	44.8	44.7
IV 16000	44.0	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.3	44.3	44.3	44.5	44.5	44.7	44.8
IV 14000	44.4	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.8	44.8	45.0	45.1
IV 12000	45.8	45.8	45.8	45.8	45.9	45.9	46.0	46.0	46.0	46.0	46.1	46.1	46.3	46.3	46.5	46.6
IV 10000	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.9	47.9	47.9	48.1	48.2	48.4	48.5
IV 8000	51.1	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.6	51.6	51.8	51.9
IV 7000	55.1	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.6	55.6	55.8	55.9
IV 6000	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	59.1	59.2	59.4	59.5
IV 5000	61.8	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.1	62.1	62.1	62.3	62.3	62.6	62.7
IV 4500	62.8	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.4	63.4	63.7	63.8
IV 4000	67.4	67.3	67.3	67.3	67.4	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.8	67.8	68.1	68.2
IV 3500	68.4	68.5	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.8	68.8	68.8	69.0	69.1	69.3	69.4
IV 3000	72.1	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.5	72.5	72.5	72.8	72.8	73.0	73.1
IV 2500	73.8	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.6	74.6	74.8	74.9
IV 2000	76.9	77.1	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.7	77.7	78.0	78.1
IV 1800	79.6	79.8	79.8	79.9	80.0	80.0	80.1	80.1	80.1	80.2	80.3	80.3	80.5	80.5	80.7	80.8
IV 1500	82.7	83.0	83.0	83.1	83.3	83.3	83.4	83.4	83.4	83.6	83.6	83.6	83.8	83.9	84.1	84.2
IV 1200	83.2	83.5	83.5	83.6	83.9	83.9	84.0	84.0	84.0	84.2	84.2	84.2	84.4	84.4	84.7	84.8
IV 1000	85.4	85.9	86.0	86.1	86.4	86.4	86.6	86.6	86.6	86.8	86.8	86.8	87.0	87.1	87.3	87.4
IV 800	87.2	87.8	87.8	88.0	88.3	88.3	88.6	88.6	88.6	88.8	88.8	88.8	89.1	89.1	89.3	89.4
IV 600	90.2	90.4	90.5	90.8	91.2	91.2	91.5	91.5	91.5	91.7	91.8	91.8	92.1	92.1	92.3	92.4
IV 400	91.9	91.2	91.3	91.6	91.9	92.0	92.3	92.3	92.3	92.5	92.6	92.6	92.8	92.9	93.1	93.2
IV 200	90.7	92.1	92.2	92.5	93.0	93.0	93.3	93.4	93.4	93.6	93.7	93.7	93.9	93.9	94.2	94.3
IV 100	91.4	92.9	93.1	93.4	93.8	93.9	94.2	94.3	94.3	94.5	94.6	94.6	94.8	94.8	95.1	95.2
IV 0	91.8	93.4	93.7	94.0	94.5	94.5	94.9	95.0	95.0	95.2	95.3	95.3	95.5	95.5	95.8	95.9
IV 0	92.5	94.3	94.6	95.0	95.5	95.6	96.0	96.1	96.1	96.4	96.5	96.5	96.7	96.8	97.0	97.1
IV 0	92.9	94.8	95.0	95.5	96.1	96.2	96.6	96.7	96.7	97.0	97.1	97.1	97.4	97.4	97.7	97.8
IV 0	93.0	95.0	95.3	95.8	96.5	96.5	97.1	97.2	97.2	97.7	97.8	97.8	98.1	98.1	98.3	98.5
IV 0	93.2	95.2	95.5	96.0	96.8	96.8	97.5	97.7	97.7	98.2	98.3	98.3	98.8	98.8	99.0	99.2
IV 0	93.2	95.2	95.5	96.0	96.8	96.8	97.5	97.7	97.7	98.3	98.4	98.4	98.9	99.0	99.3	99.5
IV 0	93.2	95.2	95.5	96.0	96.8	96.8	97.5	97.7	97.7	98.3	98.4	98.4	98.9	99.0	99.3	99.5

TOTAL NUMBER OF OBSERVATIONS: 7200

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/ SAC

# CEILING VERSUS VISIBILITY

STATION NO. 24210 STATION NAME ELI T SIMPSON AFB TX

YEARS 57-66

MONTH

CT

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.V.T.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ 0
NO CEILING	36.7	36.8	36.9	36.9	37.0	37.0	37.0	37.1	37.1	37.3	37.4	37.4	37.5	37.5	37.5	37.5
≥ 23000	39.5	39.7	39.7	39.8	39.9	39.9	39.9	40.0	40.0	40.1	40.2	40.2	40.4	40.4	40.4	40.4
IV 18000	39.0	39.8	39.8	39.9	40.0	40.0	40.0	40.1	40.1	40.2	40.3	40.3	40.5	40.5	40.5	41.0
IV 16000	39.7	39.9	39.9	40.0	40.1	40.1	40.1	40.2	40.2	40.3	40.4	40.4	40.6	40.6	41.0	41.1
IV 14000	40.7	40.9	40.9	41.0	41.1	41.1	41.1	41.2	41.2	41.3	41.4	41.4	41.6	41.6	42.0	42.1
IV 12000	42.1	42.2	42.3	42.4	42.5	42.5	42.5	42.6	42.6	42.7	42.8	42.8	43.0	43.0	43.3	43.5
IV 10000	45.4	45.6	45.6	45.7	45.8	45.9	45.9	46.0	46.0	46.2	46.2	46.2	46.4	46.4	46.8	46.9
IV 9000	47.4	47.6	47.6	47.7	47.9	47.9	48.0	48.0	48.0	48.2	48.3	48.3	48.5	48.5	48.9	49.0
IV 8000	50.1	50.4	50.4	50.5	50.7	50.7	50.8	50.8	50.8	51.0	51.1	51.1	51.3	51.3	51.7	51.9
IV 7000	52.7	53.0	53.0	53.1	53.3	53.3	53.4	53.5	53.5	53.7	53.7	53.7	53.9	53.9	54.3	54.5
IV 6000	53.2	53.6	53.6	53.8	53.9	53.9	54.0	54.1	54.1	54.3	54.3	54.3	54.5	54.5	54.9	55.1
IV 5000	55.4	55.8	55.8	56.0	56.2	56.2	56.4	56.5	56.5	56.7	56.7	56.7	56.9	56.9	57.3	57.5
IV 4500	56.1	56.5	56.6	56.8	56.9	57.0	57.1	57.2	57.2	57.4	57.5	57.5	57.6	57.7	58.1	58.2
IV 4000	58.3	58.8	58.9	59.2	59.4	59.4	59.6	59.7	59.7	59.9	60.0	60.0	60.1	60.2	60.6	60.7
IV 3500	59.4	59.9	60.1	60.4	60.6	60.6	60.8	60.9	60.9	61.1	61.2	61.2	61.4	61.4	61.8	62.0
IV 3000	62.4	63.0	63.3	63.6	64.0	64.0	64.2	64.4	64.4	64.7	64.8	64.8	65.0	65.0	65.4	65.6
IV 2500	65.1	65.7	66.1	66.4	66.8	66.9	67.1	67.2	67.2	67.6	67.7	67.7	67.9	67.9	68.3	68.5
IV 2000	68.2	69.1	69.5	69.9	70.5	70.6	70.9	71.1	71.1	71.6	71.7	71.7	71.9	71.9	72.4	72.5
IV 1800	68.0	69.5	69.9	70.3	70.9	71.0	71.4	71.6	71.6	72.1	72.2	72.2	72.4	72.5	72.9	73.0
IV 1500	72.4	73.4	73.9	74.5	75.2	75.3	75.8	76.2	76.2	76.8	76.9	76.9	77.2	77.2	77.6	77.7
IV 1200	75.2	76.4	77.0	77.6	78.5	78.6	79.1	79.6	79.6	80.3	80.5	80.5	80.7	80.7	81.2	81.3
IV 1000	78.7	80.1	80.8	81.5	82.4	82.5	83.2	83.8	83.8	84.9	85.3	85.3	85.6	85.6	86.0	86.1
IV 900	79.4	80.9	81.6	82.3	83.2	83.3	84.0	84.6	84.6	85.8	86.2	86.2	86.5	86.5	86.9	87.0
IV 800	80.5	82.1	82.8	83.6	84.6	84.7	85.6	86.2	86.2	87.5	88.0	88.0	88.4	88.4	88.8	89.0
IV 700	81.7	83.4	84.2	84.9	86.0	86.1	87.0	87.6	87.6	88.9	89.5	89.5	90.0	90.0	90.4	90.6
IV 600	82.5	84.3	85.0	85.8	86.9	87.0	88.0	88.6	88.6	90.0	90.7	90.7	91.2	91.3	91.7	91.9
IV 500	83.0	85.5	86.3	87.1	88.2	88.3	89.4	90.0	90.0	91.5	92.2	92.2	92.9	93.0	93.5	93.7
IV 400	84.5	86.5	87.4	88.2	89.4	89.5	90.7	91.3	91.4	92.9	93.7	93.7	94.5	94.6	95.1	95.3
IV 300	85.0	87.2	88.2	89.1	90.5	90.6	91.8	92.5	92.5	94.2	95.0	95.1	96.1	96.2	96.6	96.9
IV 200	85.3	87.5	88.6	89.6	91.1	91.2	92.6	93.3	93.3	95.4	96.3	96.4	97.6	97.8	98.6	98.9
IV 100	85.3	87.6	88.6	89.6	91.2	91.3	92.7	93.4	93.4	95.7	96.8	96.8	98.2	98.3	99.3	99.6
IV 0	85.3	87.6	88.6	89.6	91.2	91.3	92.7	93.4	93.4	95.7	96.8	96.8	98.3	98.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

ATA PROCESSING DIVISION  
USAF ETAC  
AIR FORCE SERVICE/AFAC

# CEILING VERSUS VISIBILITY

STATION                      DATE 5-7-66 YEARS                      MONTH                       
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)  
HOURS                     

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	42.1 44.5	42.6 45.1	42.0 45.3	42.9 45.5	43.0 45.6	43.0 45.6	43.1 45.7	43.1 45.7	43.1 45.7	43.4 46.1	43.5 46.1	43.5 46.2	43.7 46.4	43.7 46.4	43.0 46.4	42.9 46.4
IV 18000 16000	44.6 44.8	45.3 45.4	45.5 45.6	45.6 45.8	45.8 45.9	45.8 45.9	45.9 46.0	45.9 46.1	45.9 46.1	46.3 46.4	46.3 46.4	46.3 46.5	46.6 46.7	46.6 46.7	46.0 46.6	46.0 46.6
IV 14000 12000	45.1 46.0	45.8 46.8	46.0 47.0	46.1 47.1	46.3 47.3	46.3 47.3	46.4 47.5	46.4 47.5	46.4 47.5	46.8 47.9	46.8 47.9	46.8 48.1	47.1 48.2	47.1 48.2	47.1 48.2	47.1 48.2
IV 10000 9000	48.5 50.8	49.4 52.0	49.6 52.3	49.8 52.6	50.1 52.9	50.1 53.0	50.5 53.3	50.5 53.4	50.5 53.4	50.9 53.8	50.9 53.8	51.0 53.9	51.2 54.1	51.2 54.1	51.2 54.1	51.2 54.1
IV 8000 7000	53.7 56.9	55.0 58.5	55.4 58.9	55.8 59.3	56.1 59.7	56.1 59.7	56.6 60.3	56.7 60.4	56.7 60.4	57.0 60.8	57.1 60.9	57.1 60.9	57.3 61.1	57.3 61.1	57.4 61.2	57.4 61.2
IV 6000 5000	57.6 59.7	59.3 61.5	59.7 62.0	60.1 62.4	60.5 62.8	60.6 62.9	61.1 63.4	61.2 63.6	61.2 63.6	61.6 64.0	61.7 64.1	61.7 64.1	61.9 64.3	61.9 64.3	62.0 64.4	62.0 64.4
IV 4500 4000	60.3 62.2	62.2 64.3	62.6 64.9	63.1 65.4	63.5 66.0	63.6 66.0	64.1 66.7	64.3 66.9	64.3 66.9	64.7 67.4	64.8 67.5	64.8 67.5	65.1 67.7	65.1 67.7	65.1 67.8	65.1 67.8
IV 3500 3000	63.3 65.4	65.5 67.9	66.0 68.6	66.6 69.2	67.2 70.1	67.3 70.1	67.9 70.9	68.1 71.2	68.1 71.2	68.7 71.8	68.8 72.0	68.8 72.0	69.0 72.2	69.0 72.2	69.1 72.3	69.1 72.3
IV 2500 2000	66.9 69.8	69.6 72.4	70.3 73.3	71.0 74.2	72.1 75.6	72.2 75.7	73.2 76.9	73.7 77.5	73.7 77.6	74.4 78.6	74.6 78.9	74.6 78.9	74.8 79.2	74.8 79.2	74.9 79.3	74.9 79.3
IV 1800 1500	70.1 72.2	73.1 75.5	74.0 76.5	74.9 77.4	76.4 79.1	76.4 79.2	77.7 80.6	78.3 81.5	78.3 81.5	79.4 82.7	79.7 83.2	79.7 83.2	80.0 83.6	80.0 83.6	80.1 83.7	80.1 83.7
IV 1200 1000	74.4 77.0	77.8 80.8	78.9 82.0	79.9 83.1	81.7 85.0	81.8 85.1	83.3 86.8	84.3 87.9	84.3 87.9	85.7 90.1	86.2 90.9	86.3 90.9	86.7 91.5	86.7 91.5	86.8 91.5	86.8 91.6
IV 900 800	77.5 78.2	81.4 82.0	82.5 83.2	83.7 84.3	85.0 86.2	85.7 86.4	87.4 88.2	88.5 89.3	88.6 89.3	90.9 91.7	91.7 92.6	91.7 92.6	92.3 93.3	92.3 93.3	92.4 93.3	92.4 93.3
IV 700 600	78.9 79.7	82.8 83.6	83.9 84.8	85.1 85.9	87.1 87.9	87.2 88.1	89.0 89.8	90.1 91.0	90.1 91.0	92.5 93.5	93.4 94.4	93.5 94.5	94.2 95.2	94.2 95.2	94.3 95.3	94.3 95.4
IV 500 400	80.4 81.3	84.4 85.3	85.6 86.6	86.8 87.8	88.8 89.9	89.0 90.0	90.8 91.8	91.9 93.0	91.9 93.0	94.4 95.5	95.4 96.5	95.5 96.6	96.4 97.6	96.4 97.6	96.6 97.9	96.6 97.9
IV 300 200	81.6 81.9	85.8 86.2	87.1 87.5	88.3 88.7	90.5 91.0	90.6 91.1	92.5 93.0	93.6 94.2	93.7 94.3	96.3 96.9	97.3 98.0	97.4 98.2	98.4 99.2	98.5 99.3	98.8 99.6	98.8 99.6
IV 100 0	81.9 81.9	86.2 86.2	87.5 87.5	88.8 88.8	91.0 91.0	91.1 91.1	93.1 93.1	94.3 94.3	94.3 94.3	97.0 97.1	98.1 98.1	98.3 98.3	99.4 99.4	99.4 99.4	99.6 99.6	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 7200

DATA PROCESSING DIVISION  
USAF ETAC  
AIR FORCE RESERVE/INAC

# CEILING VERSUS VISIBILITY

STATION NAME PORT STIMPSON NAJ MOUNT

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURLY RATE

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .58	≥ .5	≥ .516	≥ .4	≥ 0
≥ 20000	43.0	44.3	44.4	44.5	44.6	44.7	44.8	44.9	44.9	45.3	45.4	45.4	45.7	45.7	45.8	45.9
≥ 18000	46.0	46.4	46.5	46.6	46.6	46.7	46.7	47.1	47.1	47.1	47.6	47.6	47.7	47.9	48.0	48.0
≥ 16000	46.0	46.5	46.6	46.6	46.7	46.7	47.2	47.2	47.2	47.6	47.7	47.7	47.9	48.0	48.0	48.1
≥ 14000	46.8	47.3	47.4	47.5	47.7	47.8	47.9	48.0	48.0	48.4	48.5	48.5	48.8	48.8	48.9	48.9
≥ 12000	47.0	48.3	48.3	48.5	48.8	48.8	49.0	49.1	49.1	49.5	49.6	49.6	49.9	49.9	49.9	49.9
≥ 10000	50.9	51.6	51.7	51.8	52.2	52.3	52.5	52.6	52.6	53.1	53.2	53.2	53.4	53.5	53.5	53.5
≥ 9000	52.9	53.7	53.9	54.0	54.4	54.5	54.8	54.9	54.9	55.4	55.5	55.5	55.8	55.8	55.9	55.9
≥ 8000	57.1	58.3	58.5	58.7	59.3	59.4	59.8	59.9	59.9	60.4	60.5	60.5	60.8	60.8	60.8	60.8
≥ 7000	60.7	62.0	62.3	62.5	63.2	63.4	63.8	64.0	64.0	64.5	64.6	64.6	64.8	64.9	64.9	64.9
≥ 6000	61.0	62.9	63.2	63.4	64.1	64.2	64.6	64.8	64.8	65.4	65.5	65.5	65.7	65.7	65.8	65.8
≥ 5000	64.6	66.1	66.4	66.7	67.3	67.7	68.1	68.3	68.3	68.9	69.0	69.0	69.3	69.3	69.4	69.4
≥ 4500	65.2	66.7	67.1	67.4	68.1	68.3	68.8	69.0	69.0	69.5	69.7	69.7	69.9	69.9	70.0	70.0
≥ 4000	67.5	69.2	69.6	70.0	71.0	71.2	71.9	72.2	72.2	72.8	72.9	72.9	73.2	73.2	73.3	73.3
≥ 3500	68.8	70.6	71.0	71.4	72.5	72.6	73.4	73.7	73.7	74.3	74.4	74.4	74.7	74.7	74.8	74.8
≥ 3000	70.8	72.9	73.4	73.9	75.3	75.5	76.2	76.8	76.8	77.5	77.6	77.6	77.9	77.9	78.0	78.0
≥ 2500	72.5	74.8	75.4	76.0	77.5	77.7	78.8	79.5	79.5	80.4	80.6	80.6	80.8	80.9	80.9	80.9
≥ 2000	74.5	77.2	78.0	78.7	80.5	80.7	82.2	83.0	83.0	84.2	84.4	84.4	84.7	84.7	84.8	84.8
≥ 1800	75.1	77.8	78.6	79.3	81.2	81.4	82.8	83.7	83.7	84.9	85.2	85.2	85.4	85.5	85.5	85.5
≥ 1500	76.5	79.4	80.3	81.0	83.0	83.3	85.0	86.3	86.3	87.7	88.2	88.2	88.5	88.5	88.6	88.6
≥ 1200	78.1	81.2	82.1	82.9	85.0	85.2	87.0	88.4	88.4	89.9	90.5	90.5	90.8	90.8	90.9	90.9
≥ 1000	80.0	84.0	84.9	85.7	87.9	88.2	90.1	91.7	91.7	93.8	94.5	94.5	95.0	95.0	95.1	95.1
≥ 900	81.0	84.3	85.3	86.1	88.3	88.5	90.5	92.1	92.1	94.2	95.0	95.0	95.4	95.5	95.5	95.5
≥ 800	81.6	85.0	85.9	86.8	89.0	89.2	91.2	92.8	92.8	95.0	95.9	95.9	96.4	96.4	96.5	96.5
≥ 700	82.5	85.9	86.8	87.8	90.0	90.2	92.2	93.8	93.9	96.1	97.0	97.0	97.5	97.6	97.6	97.6
≥ 600	82.7	86.2	87.2	88.1	90.4	90.6	92.6	94.2	94.2	96.5	97.4	97.4	98.0	98.0	98.1	98.1
≥ 500	83.1	86.6	87.6	88.6	90.9	91.1	93.1	94.7	94.8	97.1	98.2	98.2	98.8	98.9	99.0	99.0
≥ 400	83.3	86.8	87.8	88.8	91.1	91.3	93.4	95.0	95.0	97.3	98.4	98.4	99.1	99.2	99.2	99.2
≥ 300	83.4	86.9	87.9	88.9	91.2	91.4	93.5	95.2	95.2	97.5	98.7	98.7	99.4	99.5	99.5	99.5
≥ 200	83.4	87.0	88.0	89.0	91.3	91.5	93.6	95.3	95.3	97.7	98.9	98.9	99.6	99.7	99.7	99.7
≥ 100	83.4	87.0	88.0	89.0	91.3	91.5	93.7	95.3	95.3	97.7	99.0	99.0	99.8	99.8	99.9	99.9
≥ 0	83.4	87.0	88.0	89.0	91.3	91.5	93.7	95.3	95.3	97.7	99.0	99.0	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

744C

DATA PROCESSING DIVISION  
USAF ETAC  
AIR EATER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION 24217 WEST SIMPSON WVLT DC

57-66

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.9	51.5	51.5	51.7	51.8	51.8	52.0	52.2	52.2	53.1	53.3	53.3	53.8	53.8	53.8	54.7
≥ 20000	51.1	51.7	51.7	51.9	52.0	52.0	52.3	52.4	52.4	53.3	53.5	53.5	54.0	54.0	54.0	54.7
IVN 18000	51.1	51.7	51.7	51.9	52.0	52.0	52.3	52.4	52.4	53.3	53.5	53.5	54.0	54.0	54.0	54.7
IVN 16000	51.1	51.7	51.7	51.9	52.0	52.0	52.3	52.4	52.4	53.3	53.5	53.5	54.0	54.0	54.0	54.7
IVN 14000	51.2	51.8	51.8	52.0	52.2	52.2	52.4	52.5	52.5	53.4	53.7	53.7	54.1	54.1	54.1	54.7
IVN 12000	51.4	52.0	52.0	52.3	52.4	52.4	52.6	52.7	52.7	53.7	53.9	53.9	54.3	54.3	54.3	54.7
IVN 10000	54.1	54.8	54.8	55.3	55.5	55.5	55.7	55.8	55.8	56.8	57.0	57.0	57.4	57.4	57.4	57.7
IVN 9000	55.7	56.5	56.5	57.1	57.3	57.3	57.5	57.6	57.6	58.8	59.0	59.0	59.5	59.5	59.5	59.7
IVN 8000	59.1	60.0	60.0	60.6	61.1	61.1	61.3	61.4	61.4	62.6	62.8	62.8	63.2	63.2	63.2	63.4
IVN 7000	63.5	64.5	64.5	65.3	65.8	65.8	66.0	66.1	66.1	67.3	67.5	67.5	68.0	68.0	68.0	68.2
IVN 6000	65.1	66.1	66.1	66.9	67.4	67.4	67.6	67.7	67.7	68.9	69.1	69.1	69.6	69.6	69.6	69.8
IVN 5000	66.3	67.6	67.6	68.5	69.1	69.1	69.3	69.4	69.4	70.6	70.8	70.8	71.2	71.2	71.2	71.4
IVN 4500	68.8	70.1	70.1	71.1	71.8	71.8	72.3	72.4	72.4	73.5	73.8	73.8	74.2	74.2	74.2	74.4
IVN 4000	71.4	72.9	72.9	74.1	74.8	74.8	75.3	75.4	75.4	76.6	76.8	76.8	77.2	77.2	77.2	77.4
IVN 3500	71.7	73.2	73.2	74.4	75.2	75.2	75.6	75.8	75.8	77.0	77.2	77.2	77.6	77.6	77.6	77.8
IVN 3000	74.7	76.5	76.5	77.8	78.4	78.4	79.9	80.1	80.1	81.3	81.5	81.5	81.9	81.9	81.9	82.2
IVN 2500	77.0	79.4	79.4	81.7	82.8	82.8	83.7	83.9	83.9	85.1	85.3	85.3	85.7	85.7	85.7	85.9
IVN 2000	79.9	80.9	80.9	83.3	84.5	84.5	85.9	86.5	86.5	87.6	87.8	87.8	88.3	88.3	88.3	88.5
IVN 1800	79.4	81.3	81.3	83.8	85.1	85.1	86.0	87.2	87.2	88.4	88.6	88.6	89.0	89.0	89.0	89.2
IVN 1500	80.2	82.2	82.2	84.6	85.9	85.9	87.7	88.5	88.5	89.9	90.1	90.1	90.5	90.5	90.5	90.8
IVN 1200	81.0	83.7	83.7	86.1	87.4	87.4	89.4	90.1	90.1	91.6	91.8	91.8	92.3	92.3	92.3	92.5
IVN 1000	82.5	85.8	85.8	88.3	89.6	89.6	91.6	92.4	92.4	94.3	94.5	94.5	95.1	95.1	95.1	95.3
IVN 900	84.0	86.2	86.2	88.8	90.1	90.1	92.2	92.9	92.9	94.9	95.3	95.3	95.8	95.8	95.8	96.0
IVN 800	84.2	86.8	86.8	89.4	90.6	90.6	92.7	93.4	93.4	95.6	96.0	96.0	96.6	96.6	96.6	96.8
IVN 700	85.4	87.6	87.6	90.2	91.5	91.5	93.5	94.3	94.3	96.5	96.9	96.9	97.5	97.5	97.5	97.7
IVN 600	86.1	88.4	88.4	91.0	92.3	92.3	94.3	95.1	95.1	97.2	97.6	97.6	98.3	98.3	98.3	98.5
IVN 500	86.2	88.5	88.5	91.1	92.5	92.5	94.7	95.5	95.5	97.6	98.1	98.1	99.0	99.0	99.0	99.2
IVN 400	86.6	88.8	88.8	91.4	92.8	92.8	95.1	95.8	95.8	98.0	98.4	98.4	99.4	99.4	99.4	99.6
IVN 300	86.7	88.9	88.9	91.5	92.9	92.9	95.2	95.9	95.9	98.1	98.5	98.5	99.5	99.5	99.5	99.7
IVN 200	86.7	89.1	89.1	91.7	93.1	93.1	95.4	96.1	96.1	98.3	98.7	98.7	99.7	99.7	99.7	99.9
IVN 100	86.7	89.1	89.1	91.7	93.1	93.1	95.5	96.2	96.2	98.4	98.8	98.8	99.8	99.8	99.8	100.0
IVN 0	86.7	89.1	89.1	91.7	93.1	93.1	95.5	96.2	96.2	98.4	98.8	98.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

730

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

STATION 20211 FAIR STATION, N.I. W.I.

57-66

YEARS

1961  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

6100-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .58	≥ .5	≥ .36	≥ .3	≥ 0
NO CEILING ≥ 20000	49.0	50.1	50.3	50.8	50.8	50.8	50.9	51.2	51.2	52.0	52.0	52.1	52.5	52.5	52.5	52.4
IV 18000	49.2	50.3	50.5	51.0	51.0	51.0	51.1	51.4	51.4	52.3	52.3	52.3	52.7	52.7	52.7	51.0
IV 16000	49.2	50.3	50.5	51.0	51.0	51.0	51.1	51.4	51.4	52.3	52.3	52.3	52.7	52.7	52.7	51.0
IV 14000	49.6	50.6	50.9	51.3	51.3	51.3	51.4	51.7	51.7	52.6	52.6	52.6	53.0	53.0	53.0	53.3
IV 12000	49.7	50.8	51.0	51.4	51.4	51.4	51.5	51.8	51.8	52.7	52.7	52.7	53.1	53.1	53.1	53.4
IV 10000	52.0	53.1	53.3	54.1	54.1	54.1	54.2	54.5	54.5	55.3	55.3	55.3	55.9	55.9	55.9	56.3
IV 9000	53.4	54.5	54.7	55.5	55.5	55.5	55.7	56.0	56.0	57.1	57.1	57.1	57.6	57.6	57.6	58.0
IV 8000	56.0	57.1	57.3	58.1	58.2	58.2	58.3	58.6	58.6	59.8	59.8	59.8	60.3	60.3	60.3	60.6
IV 7000	59.6	60.9	61.3	62.4	62.5	62.5	62.6	62.9	62.9	64.2	64.2	64.2	64.7	64.7	64.7	65.1
IV 6000	60.5	61.6	62.5	63.3	63.7	63.7	64.0	64.3	64.3	65.7	65.7	65.7	66.2	66.2	66.2	66.6
IV 5000	64.1	65.5	66.2	67.7	68.0	68.0	68.7	69.0	69.0	70.4	70.4	70.4	71.0	71.0	71.0	71.3
IV 4500	65.1	66.6	67.3	68.8	69.0	69.0	69.8	70.1	70.1	71.5	71.5	71.5	72.0	72.0	72.0	72.4
IV 4000	67.3	68.9	69.4	71.5	71.8	71.8	72.6	72.9	72.9	74.3	74.3	74.3	74.8	74.8	74.8	75.2
IV 3500	68.3	69.9	70.8	72.5	72.9	72.9	73.8	74.1	74.1	75.5	75.5	75.5	76.0	76.0	76.0	76.3
IV 3000	71.1	72.7	73.5	75.6	76.1	76.1	77.2	77.6	77.6	79.2	79.2	79.2	79.6	79.6	79.6	80.2
IV 2500	73.7	75.4	76.3	78.5	79.1	79.1	80.3	80.8	80.8	82.4	82.4	82.4	83.1	83.1	83.1	83.4
IV 2000	75.5	77.2	78.7	80.9	81.6	81.6	83.4	84.3	84.3	86.0	86.0	86.0	86.8	86.8	86.8	87.1
IV 1800	75.9	77.6	79.1	81.3	82.2	82.2	84.0	84.8	84.8	86.6	86.6	86.6	87.3	87.3	87.3	87.6
IV 1500	77.0	78.7	80.2	82.5	83.4	83.4	85.2	86.7	86.7	88.5	88.5	88.5	89.2	89.2	89.2	89.6
IV 1200	78.2	80.0	81.5	83.8	84.8	84.8	87.1	88.1	88.1	90.0	90.1	90.1	90.8	90.8	90.8	91.1
IV 1000	79.9	81.8	83.3	85.6	86.7	86.7	89.1	90.1	90.1	92.3	92.4	92.4	94.2	94.2	94.2	94.5
IV 900	80.4	82.4	83.9	86.1	87.2	87.2	89.7	90.9	90.9	94.1	94.3	94.3	95.1	95.1	95.1	95.4
IV 800	81.1	83.1	84.6	86.9	88.0	88.0	90.4	91.6	91.6	94.8	95.3	95.3	96.0	96.0	96.0	96.3
IV 700	81.6	83.7	85.2	87.4	88.5	88.5	91.0	92.2	92.2	95.5	95.9	95.9	96.7	96.7	96.7	97.0
IV 600	82.4	84.4	85.9	88.2	89.2	89.2	91.7	92.9	92.9	96.2	96.7	96.7	97.5	97.5	97.5	97.8
IV 500	82.4	84.4	85.9	88.2	89.2	89.2	91.7	92.9	92.9	96.2	96.7	96.7	97.6	97.6	97.6	98.0
IV 400	84.8	86.3	88.6	89.8	89.8	89.8	92.4	93.5	93.5	96.9	97.3	97.3	98.4	98.4	98.4	98.7
IV 300	83.0	85.2	86.7	88.9	90.1	90.1	92.7	93.9	93.9	97.2	97.6	97.6	98.7	98.7	98.7	99.0
IV 200	83.0	85.6	87.1	89.4	90.5	90.5	93.1	94.3	94.3	97.6	98.1	98.1	99.2	99.2	99.2	99.6
IV 100	83.2	85.8	87.3	89.5	90.8	90.8	93.4	94.6	94.6	98.0	98.4	98.4	99.6	99.6	99.6	99.9
IV 0	83.2	85.8	87.3	89.5	90.8	90.8	93.4	94.6	94.6	98.0	98.4	98.4	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 740

1  
2DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

## CEILING VERSUS VISIBILITY

FORM 1 JUL 64 57-66

57-66

YEARS

JA

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0-99.9500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	46.9	47.7	48.1	48.2	48.5	48.5	49.4	49.5	49.5	50.2	50.2	50.2	50.5	50.5	50.6	50.7
IV 18000 IV 16000	47.4	48.3	48.6	48.7	49.0	49.0	49.9	50.0	50.0	50.8	50.8	50.8	51.1	51.1	51.2	51.4
IV 14000 IV 12000	47.4	48.3	48.6	48.7	49.0	49.0	49.9	50.0	50.0	50.8	50.8	50.8	51.1	51.1	51.2	51.4
IV 10000 IV 9000	49.4	50.4	51.0	51.2	51.6	51.6	52.5	52.6	52.6	53.5	53.5	53.5	53.9	53.9	54.0	54.2
IV 8000 IV 7000	54.7	55.8	56.5	56.7	57.1	57.1	58.0	58.1	58.1	59.0	59.0	59.0	59.4	59.4	59.5	59.7
IV 6000 IV 5000	57.6	59.1	60.0	60.4	60.9	60.9	61.7	61.8	61.8	62.8	62.8	62.8	63.1	63.1	63.2	63.4
IV 4500 IV 4000	62.6	64.4	65.4	65.9	66.5	66.5	68.0	68.1	68.1	69.0	69.0	69.0	69.4	69.4	69.5	69.7
IV 3500 IV 3000	63.5	65.5	66.5	67.0	67.5	67.5	69.1	69.2	69.2	70.2	70.2	70.2	70.5	70.5	70.6	70.9
IV 2500 IV 2000	67.0	69.1	70.3	71.1	71.7	71.7	73.3	73.4	73.4	74.4	74.4	74.4	74.7	74.8	74.9	75.2
IV 1800 IV 1500	70.8	73.3	74.3	75.5	76.2	76.2	78.2	78.7	78.7	79.8	79.8	79.8	80.1	80.2	80.3	80.5
IV 1200 IV 1000	73.5	76.1	77.3	78.3	79.1	79.1	81.2	81.8	81.8	82.9	82.9	82.9	83.2	83.3	83.4	83.7
IV 900 IV 800	75.9	78.9	80.1	81.1	82.0	82.0	84.3	85.2	85.2	86.5	86.5	86.5	86.8	86.9	87.0	87.2
IV 700 IV 600	76.5	79.5	80.6	81.6	82.6	82.6	84.8	85.7	85.7	87.0	87.0	87.0	87.3	87.4	87.5	87.7
IV 500 IV 400	78.2	81.2	82.4	83.3	84.3	84.3	86.9	87.8	87.8	89.4	89.4	89.4	89.7	89.8	89.9	90.1
IV 300 IV 200	79.8	82.9	84.1	85.1	86.0	86.0	88.7	89.7	89.7	91.4	91.4	91.4	91.7	91.8	91.9	92.2
IV 100 IV 0	81.0	84.1	85.4	86.3	87.3	87.3	90.0	91.0	91.0	93.5	93.5	93.5	94.2	94.3	94.4	94.6
IV 0	81.2	84.3	85.6	86.6	87.5	87.5	90.2	91.2	91.2	93.8	93.8	93.8	94.4	94.5	94.6	94.8
IV 0	81.0	84.7	86.0	87.0	88.0	88.0	90.6	91.6	91.6	94.2	94.2	94.2	94.8	94.9	95.0	95.2
IV 0	82.0	85.2	86.5	87.4	88.4	88.4	91.1	92.0	92.0	94.6	94.6	94.6	95.1	95.2	95.3	95.5
IV 0	82.4	86.5	87.7	88.7	89.8	89.8	92.6	93.5	93.5	96.2	96.2	96.2	96.7	96.8	96.9	97.1
IV 0	82.4	86.5	87.7	88.9	90.0	90.0	92.8	93.8	93.8	96.5	96.5	96.5	97.0	97.1	97.2	97.4
IV 0	82.7	86.9	88.2	89.4	90.4	90.4	93.2	94.2	94.2	96.9	96.9	96.9	97.3	97.4	97.5	97.7
IV 0	83.0	87.2	88.5	89.7	90.9	90.9	93.8	94.7	94.7	97.4	97.4	97.4	97.8	97.9	98.0	98.2
IV 0	83.0	87.2	88.5	89.7	91.0	91.0	93.9	94.8	94.8	97.5	97.5	97.5	98.0	98.1	98.2	98.4
IV 0	83.0	87.2	88.5	89.7	91.0	91.0	93.9	94.8	94.8	97.5	97.5	97.5	98.0	98.1	98.2	98.4

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 1 JUL 64 0-14.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26213 - FORT SIMPSON NWT DUT

57-66

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0800-1100  
ROUND TO 1/100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING ≥ 20000	40.0	41.6	42.4	43.0	43.7	43.7	44.1	44.4	44.4	44.7	45.3	45.3	45.6	45.6	45.6	45.6
IV 18000	44.0	45.6	46.3	47.0	47.7	47.7	48.2	48.5	48.5	48.8	49.4	49.4	49.7	49.7	49.7	49.7
IV 16000	44.0	45.6	46.3	47.0	47.7	47.7	48.2	48.5	48.5	48.8	49.4	49.4	49.7	49.7	49.7	49.7
IV 14000	44.9	46.6	47.3	48.0	48.7	48.7	49.1	49.5	49.5	49.8	50.3	50.3	50.6	50.6	50.6	50.6
IV 12000	46.7	48.3	49.0	49.7	50.4	50.4	50.9	51.2	51.2	51.5	52.0	52.0	52.4	52.4	52.4	52.4
IV 10000	50.3	52.4	53.2	53.9	54.6	54.6	55.2	55.6	55.6	55.9	56.5	56.5	56.8	56.8	56.8	56.8
IV 9000	54.2	57.0	57.8	58.5	59.2	59.2	59.9	60.5	60.5	60.9	61.4	61.4	61.7	61.7	61.7	61.7
IV 8000	58.8	62.0	63.0	63.7	64.4	64.4	65.1	65.7	65.7	66.0	66.6	66.6	67.0	67.0	67.0	67.0
IV 7000	60.8	64.2	65.3	65.9	66.7	66.7	67.3	68.0	68.0	68.3	68.8	68.8	69.2	69.2	69.2	69.2
IV 6000	61.0	64.4	65.5	66.2	67.0	67.0	67.6	68.3	68.3	68.6	69.1	69.1	69.6	69.6	69.6	69.6
IV 5000	63.0	66.5	67.6	68.4	69.1	69.1	69.9	70.5	70.5	70.9	71.4	71.4	71.8	71.8	71.8	71.8
IV 4500	63.8	67.2	68.6	69.4	70.1	70.1	71.1	71.7	71.7	72.0	72.6	72.6	73.0	73.0	73.0	73.0
IV 4000	67.1	70.6	72.3	73.1	74.0	74.0	74.9	75.6	75.6	75.9	76.6	76.6	77.0	77.0	77.0	77.0
IV 3500	67.5	71.1	72.7	73.9	74.9	74.9	75.9	76.6	76.6	76.9	77.5	77.5	78.0	78.0	78.0	78.0
IV 3000	70.9	74.6	76.5	77.7	78.9	78.9	80.1	81.3	81.3	81.7	82.4	82.4	82.8	82.8	82.8	82.8
IV 2500	73.1	77.4	79.1	80.4	82.0	82.0	83.4	84.7	84.7	85.2	85.8	85.8	86.2	86.2	86.2	86.2
IV 2000	75.1	79.8	81.6	83.0	84.6	84.6	86.3	87.7	87.7	88.4	89.4	89.4	89.9	89.9	89.9	89.9
IV 1800	75.4	80.1	81.9	83.3	84.9	84.9	86.8	88.2	88.2	88.8	89.8	89.8	90.3	90.3	90.3	90.3
IV 1500	76.9	81.6	83.4	84.8	86.5	86.5	88.4	89.8	89.8	90.8	91.7	91.7	92.4	92.4	92.4	92.4
IV 1200	77.5	82.5	84.3	85.7	87.3	87.3	89.2	90.6	90.6	91.7	92.7	92.7	93.3	93.3	93.3	93.3
IV 1000	79.2	84.2	86.0	87.5	89.1	89.1	91.3	92.7	92.7	94.1	95.2	95.2	95.8	95.8	95.8	95.8
IV 900	79.9	84.8	86.7	88.2	89.8	89.8	91.9	93.3	93.3	94.7	95.8	95.8	96.5	96.5	96.5	96.5
IV 800	80.1	85.1	86.9	88.4	90.0	90.0	92.2	93.5	93.5	94.9	96.0	96.0	97.2	97.2	97.2	97.2
IV 700	80.2	85.2	87.0	88.5	90.1	90.1	92.3	93.7	93.7	95.1	96.7	96.7	97.3	97.3	97.3	97.3
IV 600	80.4	85.4	87.2	88.7	90.4	90.4	92.6	94.0	94.0	95.4	97.0	97.0	97.6	97.6	97.6	97.6
IV 500	80.4	85.4	87.2	88.8	90.5	90.5	92.8	94.4	94.4	95.8	97.4	97.4	98.3	98.3	98.3	98.3
IV 400	80.4	85.4	87.3	88.9	90.9	90.9	93.1	94.7	94.7	96.2	97.8	97.8	98.9	98.9	98.9	98.9
IV 300	80.4	85.4	87.3	88.9	91.0	91.0	93.2	94.8	94.8	96.5	98.1	98.1	99.1	99.1	99.1	99.1
IV 200	80.4	85.4	87.4	89.0	91.2	91.2	93.7	95.3	95.3	96.9	98.5	98.5	99.6	99.6	99.6	99.6
IV 100	80.4	85.4	87.4	89.0	91.2	91.2	93.8	95.4	95.4	97.1	98.7	98.7	99.8	99.8	99.8	99.8
IV 0	80.4	85.4	87.4	89.0	91.2	91.2	93.8	95.4	95.4	97.1	98.7	98.7	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 940

USAF ETAC FORM 0-14.5 (OL 1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
SAF ETAC  
AIR BATTEN SERVICE/TAC

# CEILING VERSUS VISIBILITY

STATION 27-66 DATE 1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	46.8	48.8	49.2	49.4	49.5	49.3	49.6	49.6	49.6	49.7	50.0	50.0	50.1	50.1	50.1	50.1
IV 18000	51.3	53.3	53.8	53.9	54.1	54.1	54.2	54.2	54.2	54.3	54.7	54.7	54.8	54.9	54.9	54.9
IV 16000	51.5	53.5	54.0	54.1	54.3	54.3	54.4	54.4	54.4	54.5	54.9	54.9	55.2	55.2	55.2	55.2
IV 14000	51.7	53.8	54.2	54.3	54.5	54.5	54.6	54.6	54.6	54.7	55.2	55.2	55.4	55.4	55.4	55.4
IV 12000	53.3	55.4	55.8	55.9	56.1	56.1	56.2	56.2	56.2	56.3	56.8	56.8	57.0	57.0	57.0	57.0
IV 10000	58.2	60.4	61.0	61.1	61.3	61.4	62.0	62.0	62.0	62.2	62.6	62.6	62.8	62.8	62.8	62.8
IV 9000	62.2	64.8	65.6	65.7	66.0	66.1	66.8	66.8	66.8	66.9	67.3	67.3	67.5	67.5	67.5	67.5
IV 8000	67.0	70.4	71.3	71.4	71.8	71.9	72.6	72.6	72.6	72.7	73.1	73.1	73.3	73.3	73.3	73.3
IV 7000	68.0	71.7	72.6	72.7	73.7	73.9	74.5	74.5	74.5	74.6	75.1	75.1	75.3	75.3	75.3	75.3
IV 6000	68.0	71.7	72.6	72.7	73.7	73.9	74.5	74.5	74.5	74.6	75.1	75.1	75.3	75.3	75.3	75.3
IV 5000	69.4	73.2	74.2	74.3	75.3	75.5	76.2	76.2	76.2	76.3	76.8	76.8	77.0	77.0	77.0	77.0
IV 4500	70.0	73.9	74.8	74.9	75.9	76.1	76.9	76.9	76.9	77.0	77.4	77.4	77.6	77.6	77.6	77.6
IV 4000	72.3	76.7	77.7	78.0	78.9	79.1	80.0	80.0	80.0	80.1	80.5	80.5	80.8	80.8	80.8	80.8
IV 3500	73.4	78.0	79.0	79.5	80.6	80.9	81.8	81.8	81.8	81.9	82.4	82.4	82.6	82.6	82.6	82.6
IV 3000	74.9	80.0	81.2	81.6	82.9	83.2	84.2	84.8	84.8	85.4	85.8	85.8	86.0	86.0	86.0	86.0
IV 2500	77.7	83.1	84.4	84.9	86.2	86.6	88.1	88.4	88.4	89.1	89.6	89.6	89.8	89.8	89.8	89.8
IV 2000	79.6	84.9	86.5	87.2	88.8	89.2	90.9	91.3	91.3	92.4	92.9	92.9	93.1	93.1	93.1	93.1
IV 1800	79.8	85.2	86.7	87.4	89.0	89.5	91.1	91.5	91.5	92.6	93.1	93.1	93.3	93.3	93.3	93.3
IV 1500	80.1	85.5	87.0	87.7	89.6	90.0	91.6	92.2	92.2	93.2	93.8	93.8	94.1	94.1	94.1	94.1
IV 1200	80.5	86.0	87.5	88.3	90.2	90.6	92.3	92.8	92.9	94.2	94.7	94.7	95.1	95.1	95.1	95.1
IV 1000	81.5	87.5	89.1	90.0	91.9	92.4	94.0	94.5	94.6	96.7	97.2	97.2	97.5	97.5	97.5	97.5
IV 900	81.8	87.8	89.5	90.3	92.3	92.7	94.3	94.8	94.9	97.0	97.5	97.5	97.8	97.8	97.8	97.8
IV 800	81.8	87.8	89.5	90.3	92.3	92.7	94.3	94.8	94.9	97.0	97.5	97.5	97.8	97.8	97.8	97.8
IV 700	81.8	87.8	89.5	90.3	92.3	92.7	94.3	94.8	94.9	97.0	97.5	97.5	97.8	97.8	97.8	97.8
IV 600	81.8	87.8	89.5	90.3	92.3	92.7	94.3	94.8	94.9	97.0	97.5	97.5	97.8	97.8	97.8	97.8
IV 500	82.0	88.4	90.0	91.1	93.0	93.4	95.2	96.0	96.1	98.2	99.0	99.0	99.5	99.5	99.5	99.5
IV 400	82.0	88.4	90.0	91.1	93.1	93.5	95.3	96.1	96.2	98.3	99.1	99.1	99.6	99.6	99.6	99.6
IV 300	82.0	88.4	90.0	91.1	93.3	93.8	95.5	96.3	96.5	98.5	99.4	99.4	99.8	99.8	100.0	100.0
IV 200	82.0	88.4	90.0	91.1	93.3	93.8	95.5	96.3	96.5	98.5	99.4	99.4	99.8	99.8	100.0	100.0
IV 100	82.0	88.4	90.0	91.1	93.3	93.8	95.5	96.3	96.5	98.5	99.4	99.4	99.8	99.8	100.0	100.0
IV 0	82.0	88.4	90.0	91.1	93.3	93.8	95.5	96.3	96.5	98.5	99.4	99.4	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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2  
(

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

26210 ENCT STATION WAT LUT

57-66

YEARS

100%

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	51.1 54.9	52.2 56.0	52.4 56.2	52.4 56.2	52.4 56.2	52.4 56.2	52.7 56.6	52.7 56.6	52.7 56.6	53.0 56.9	53.1 57.1	53.1 57.1	53.1 57.1	53.1 57.1	53.1 57.1	53.1 57.1
IV 18000 16000	54.9 55.2	56.0 56.2	56.2 56.6	56.2 56.6	56.2 56.6	56.2 56.6	56.6 56.9	56.6 56.9	56.6 56.9	56.9 57.2	57.1 57.4	57.1 57.4	57.1 57.4	57.1 57.4	57.1 57.4	57.1 57.4
IV 14000 12000	55.7 57.8	56.8 58.9	57.0 59.1	57.0 59.1	57.0 59.1	57.0 59.1	57.3 59.5	57.3 59.5	57.3 59.5	57.6 59.8	57.8 60.1	57.8 60.1	57.8 60.1	57.8 60.1	57.8 60.1	57.8 60.1
IV 10000 9000	61.9 65.8	63.4 67.6	63.7 68.1	63.7 68.1	63.7 68.2	63.7 68.2	64.0 68.5	64.0 68.5	64.0 68.8	64.3 69.1	64.6 69.1	64.6 69.1	64.6 69.1	64.6 69.1	64.6 69.1	64.6 69.1
IV 8000 7000	70.1 71.8	72.2 73.9	72.6 74.4	72.6 74.5	72.7 74.7	72.7 74.7	73.4 75.5	73.4 75.5	73.4 75.6	73.9 76.2	74.2 76.6	74.2 76.6	74.3 76.7	74.3 76.7	74.3 76.7	74.3 76.7
IV 6000 5000	72.0 72.2	74.1 75.3	74.8 76.1	74.9 76.2	75.3 76.7	75.3 76.9	76.0 77.6	76.2 77.8	76.2 77.8	76.9 78.5	77.2 78.8	77.2 78.8	77.3 78.9	77.3 78.9	77.3 78.9	77.3 78.9
IV 4500 4000	74.0 76.1	76.0 78.4	76.9 79.8	77.0 79.9	77.5 80.1	77.7 80.3	78.5 81.1	78.7 81.3	78.7 81.3	79.4 81.9	79.7 82.3	79.7 82.3	79.8 82.4	79.8 82.4	79.8 82.4	79.8 82.4
IV 3500 3000	77.2 78.7	79.5 81.4	80.4 82.3	80.5 82.6	81.2 83.8	81.4 84.0	82.2 84.7	82.4 85.1	82.4 85.1	83.0 85.9	83.4 86.3	83.4 86.3	83.5 86.5	83.5 86.5	83.5 86.5	83.5 86.5
IV 2500 2000	80.5 82.7	83.5 85.9	84.6 87.0	84.7 87.2	86.2 89.2	86.5 89.5	87.2 90.4	87.5 91.0	87.5 91.0	88.8 92.5	89.2 92.9	89.2 92.9	89.4 93.0	89.4 93.0	89.4 93.0	89.4 93.0
IV 1800 1500	82.8 84.0	86.0 87.3	87.1 88.5	87.3 88.7	89.4 90.9	89.6 91.1	90.5 92.2	91.1 92.7	91.1 92.7	92.6 94.3	93.0 94.7	93.0 94.7	93.1 94.8	93.1 94.8	93.1 94.8	93.1 94.8
IV 1200 1000	84.4 86.5	87.8 90.1	89.1 91.4	89.4 91.6	91.6 93.9	91.8 94.1	93.0 95.3	93.5 95.8	93.5 95.9	95.3 98.2	95.7 98.6	95.7 98.6	95.8 98.7	95.8 98.7	95.8 98.7	95.8 98.7
IV 900 800	86.5 86.6	90.1 90.2	91.4 91.5	91.6 91.7	93.9 94.0	94.1 94.2	95.3 95.4	95.8 95.9	95.9 96.0	98.2 98.3	98.6 98.8	98.6 98.8	98.7 98.9	98.7 98.9	98.7 98.9	98.7 98.9
IV 700 600	86.7 87.0	90.5 90.9	91.8 92.2	92.0 92.4	94.3 94.6	94.5 94.8	95.7 96.0	96.2 96.6	96.3 96.7	98.6 98.9	99.1 99.5	99.1 99.5	99.2 99.6	99.2 99.6	99.2 99.6	99.2 99.6
IV 500 400	87.0 87.0	90.9 91.0	92.2 92.3	92.4 92.5	94.6 94.7	94.8 94.9	96.0 96.1	96.6 96.7	96.7 96.8	99.1 99.2	99.7 99.8	99.7 99.8	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0
IV 300 200	87.0 87.0	91.0 91.0	92.3 92.3	92.5 92.5	94.7 94.7	94.9 94.9	96.1 96.1	96.7 96.7	96.8 96.8	99.2 99.2	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 0	87.0 87.0	91.0 91.0	92.3 92.3	92.5 92.5	94.7 94.7	94.9 94.9	96.1 96.1	96.7 96.7	96.8 96.8	99.2 99.2	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 740

DATA PROCESSING DIVISION  
USAF ETAC  
AIR FIGHTER SERVICE/AC

# CEILING VERSUS VISIBILITY

2-21-66 F-105 STARBUCK MILITARY

27-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 25000	52.5	54.1	54.2	54.3	54.7	54.7	54.8	54.8	54.8	54.9	55.1	55.1	55.2	55.2	55.4	55.4
IV 18000	53.1	54.7	54.8	54.9	55.4	55.4	55.5	55.5	55.5	55.6	55.7	55.7	55.8	55.8	56.0	56.0
IV 16000	53.1	54.7	54.8	54.9	55.4	55.4	55.5	55.5	55.5	55.6	55.7	55.7	55.8	55.8	56.0	56.0
IV 14000	53.6	55.4	55.5	55.6	56.0	56.0	56.1	56.1	56.1	56.2	56.3	56.3	56.5	56.5	56.7	56.7
IV 12000	54.9	56.6	56.7	56.8	57.2	57.2	57.3	57.3	57.3	57.4	57.5	57.5	57.6	57.6	57.8	57.8
IV 10000	58.5	60.3	60.4	60.8	61.2	61.2	61.3	61.3	61.3	61.4	61.5	61.5	61.6	61.6	61.8	61.8
IV 9000	61.1	62.9	63.0	63.3	64.1	64.1	64.2	64.2	64.2	64.3	64.4	64.4	64.5	64.5	64.7	64.7
IV 8000	64.3	66.5	66.7	67.0	68.4	68.4	68.6	68.6	68.6	68.8	68.9	68.9	69.0	69.0	69.2	69.2
IV 7000	65.9	68.1	68.3	68.7	70.2	70.2	70.4	70.5	70.5	70.9	71.1	71.1	71.2	71.2	71.4	71.4
IV 6000	66.6	68.7	68.9	69.4	70.9	70.9	71.1	71.2	71.2	71.5	71.7	71.7	71.8	71.8	72.0	72.0
IV 5000	69.2	71.6	71.6	72.0	73.7	73.7	73.9	74.0	74.0	74.3	74.5	74.5	74.6	74.6	74.8	74.8
IV 4500	70.9	73.0	73.2	73.7	75.3	75.3	75.5	75.6	75.6	75.9	76.1	76.1	76.2	76.2	76.5	76.5
IV 4000	73.4	75.8	76.0	76.6	78.3	78.3	78.5	78.6	78.6	78.9	79.1	79.1	79.2	79.2	79.5	79.5
IV 3500	74.3	77.0	77.3	77.8	79.6	79.6	79.8	79.9	79.9	80.2	80.4	80.4	80.5	80.5	80.8	80.8
IV 3000	76.1	78.8	79.1	79.9	82.2	82.2	82.4	82.5	82.5	82.8	83.0	83.0	83.1	83.1	83.3	83.3
IV 2500	78.0	80.6	81.2	81.9	84.4	84.4	84.7	84.8	84.8	85.2	85.4	85.4	85.5	85.5	85.7	85.7
IV 2000	80.4	83.1	84.0	84.9	87.4	87.4	88.4	88.6	88.6	89.0	89.2	89.2	89.4	89.4	89.6	89.6
IV 1800	81.5	84.2	85.1	86.0	88.5	88.5	89.0	89.8	89.8	90.2	90.4	90.4	90.5	90.5	90.8	90.8
IV 1500	83.2	85.9	87.0	88.0	90.5	90.5	91.8	92.0	92.0	92.9	93.1	93.1	93.2	93.2	93.4	93.4
IV 1200	84.7	87.7	88.9	89.9	92.5	92.5	93.8	94.0	94.0	94.9	95.2	95.2	95.3	95.3	95.5	95.5
IV 1000	86.1	89.1	90.3	91.3	93.9	93.9	95.2	95.5	95.5	96.9	97.1	97.1	97.2	97.2	97.4	97.4
IV 900	86.3	89.4	90.5	91.5	94.1	94.1	95.5	95.7	95.7	97.1	97.3	97.3	97.4	97.4	97.6	97.6
IV 800	87.1	90.1	91.3	92.3	94.8	94.8	96.2	96.5	96.5	97.8	98.7	98.7	98.8	98.8	99.0	99.0
IV 700	87.2	90.2	91.4	92.4	94.9	94.9	96.3	96.6	96.6	98.0	98.8	98.8	98.9	98.9	99.1	99.1
IV 600	87.5	90.5	91.7	92.7	95.3	95.3	96.7	96.9	96.9	98.3	99.1	99.1	99.2	99.2	99.5	99.5
IV 500	87.7	90.8	91.9	92.9	95.5	95.5	96.9	97.1	97.1	98.5	99.4	99.4	99.6	99.6	99.8	99.8
IV 400	87.8	90.9	92.0	93.0	95.6	95.6	97.0	97.2	97.2	98.6	99.5	99.5	99.7	99.7	99.9	99.9
IV 300	87.8	90.9	92.0	93.0	95.6	95.6	97.0	97.2	97.2	98.6	99.5	99.5	99.7	99.7	99.9	99.9
IV 200	87.8	90.9	92.0	93.0	95.6	95.6	97.0	97.2	97.2	98.6	99.5	99.5	99.7	99.7	99.9	99.9
IV 100	87.8	90.9	92.0	93.0	95.6	95.6	97.0	97.2	97.2	98.6	99.5	99.5	99.7	99.7	99.9	99.9
IV 0	87.8	90.9	92.0	93.0	95.6	95.6	97.0	97.2	97.2	98.6	99.5	99.5	99.7	99.7	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 940

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

20210 FIRST STIMPSON NWT DUT

57-66

YEARS

1961

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	52.5	53.2	53.2	53.4	54.2	54.2	54.4	54.4	54.4	55.5	55.6	55.6	55.7	55.9	55.9	55.9
IV 18000	52.6	53.3	53.3	53.5	54.3	54.3	54.5	54.5	54.5	55.6	55.7	55.7	55.9	56.0	56.0	56.0
IV 16000	52.6	53.3	53.3	53.5	54.3	54.3	54.5	54.5	54.5	55.6	55.7	55.7	55.9	56.0	56.0	56.0
IV 14000	53.0	53.8	53.8	54.0	54.7	54.7	54.9	54.9	54.9	56.0	56.1	56.1	56.3	56.5	56.5	56.5
IV 12000	53.9	54.6	54.6	54.8	55.6	55.6	55.8	55.8	55.8	56.9	57.0	57.0	57.2	57.3	57.3	57.3
IV 10000	56.7	57.6	57.7	58.0	58.7	58.7	58.9	59.0	59.0	60.1	60.2	60.2	60.4	60.5	60.5	60.5
IV 9000	59.1	60.1	60.2	60.5	61.4	61.4	61.6	61.7	61.7	62.8	62.9	62.9	63.1	63.2	63.2	63.2
IV 8000	62.8	64.1	64.2	64.7	65.9	65.9	66.1	66.2	66.2	67.3	67.4	67.4	67.6	67.7	68.0	68.0
IV 7000	65.4	66.7	66.9	67.4	68.6	68.6	68.8	68.9	68.9	70.0	70.1	70.1	70.3	70.4	70.6	70.6
IV 6000	66.7	68.1	68.4	68.9	70.1	70.1	70.3	70.4	70.4	71.5	71.6	71.6	71.8	71.9	72.2	72.2
IV 5000	69.6	71.0	71.3	71.8	73.1	73.1	73.3	73.4	73.4	74.5	74.6	74.6	74.8	74.9	75.2	75.2
IV 4500	70.0	71.5	71.8	72.4	73.7	73.7	73.9	74.0	74.0	75.1	75.2	75.2	75.4	75.5	75.7	75.7
IV 4000	72.0	74.4	74.9	75.5	76.8	76.8	77.0	77.2	77.2	78.3	78.4	78.4	78.6	78.7	78.9	78.9
IV 3500	73.5	75.6	76.1	76.7	78.0	78.0	78.2	78.4	78.4	79.5	79.6	79.6	79.8	79.9	80.1	80.1
IV 3000	76.4	78.9	79.5	80.0	81.4	81.5	81.7	81.9	81.9	83.0	83.1	83.1	83.3	83.4	83.7	83.7
IV 2500	78.9	81.1	81.8	82.5	84.1	84.2	84.5	84.8	84.8	85.9	86.0	86.0	86.2	86.3	86.6	86.6
IV 2000	79.9	82.2	83.0	83.8	85.9	86.0	86.7	87.0	87.0	88.1	88.2	88.2	88.4	88.5	88.7	88.7
IV 1800	80.8	83.0	83.9	84.6	86.8	86.9	87.5	87.8	87.8	89.0	89.1	89.1	89.4	89.5	89.7	89.7
IV 1500	82.3	84.8	85.7	86.5	88.7	88.8	89.6	90.1	90.1	91.7	91.8	91.8	92.0	92.2	92.4	92.4
IV 1200	83.9	86.8	87.6	88.4	90.8	90.9	91.7	92.3	92.3	94.0	94.1	94.1	94.3	94.4	94.6	94.6
IV 1000	85.1	88.1	88.9	89.7	92.2	92.3	93.1	93.7	93.7	96.7	96.8	96.8	97.0	97.1	97.3	97.3
IV 900	85.1	88.1	88.9	89.7	92.2	92.3	93.1	93.7	93.7	96.7	96.8	96.8	97.0	97.1	97.3	97.3
IV 800	85.7	88.7	89.7	90.4	92.9	93.0	93.9	94.4	94.4	97.4	97.4	97.4	97.7	97.7	98.3	98.3
IV 700	86.0	89.0	90.0	90.8	93.2	93.3	94.2	94.7	94.7	97.7	98.1	98.1	98.3	98.4	98.6	98.6
IV 600	86.6	89.7	90.8	91.5	94.0	94.1	94.9	95.5	95.5	98.5	98.8	98.8	99.0	99.1	99.4	99.4
IV 500	86.9	90.0	91.1	91.8	94.4	94.5	95.4	95.9	95.9	98.9	99.2	99.2	99.5	99.6	99.8	99.8
IV 400	86.9	90.0	91.1	91.8	94.4	94.5	95.4	95.9	95.9	98.9	99.2	99.2	99.5	99.6	99.8	99.8
IV 300	87.1	90.2	91.3	92.0	94.6	94.7	95.6	96.1	96.1	99.1	99.5	99.5	99.7	99.8	100.0	100.0
IV 200	87.1	90.2	91.3	92.0	94.6	94.7	95.6	96.1	96.1	99.1	99.5	99.5	99.7	99.8	100.0	100.0
IV 100	87.1	90.2	91.3	92.0	94.6	94.7	95.6	96.1	96.1	99.1	99.5	99.5	99.7	99.8	100.0	100.0
IV 0	87.1	90.2	91.3	92.0	94.6	94.7	95.6	96.1	96.1	99.1	99.5	99.5	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 940

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

## CEILING VERSUS VISIBILITY

26210 STATION FIRST STEPSHOW NWT OUT STATION NAME

57-66

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	57.0	58.0	58.2	58.2	58.2	58.2	58.3	58.7	58.3	58.4	58.4	58.4	58.4	58.4	58.6	58.6
IV 18000	59.1	59.7	59.8	59.8	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.3	60.3
IV 16000	59.1	59.7	59.8	59.8	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.3	60.3
IV 14000	59.6	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.8	60.8
IV 12000	62.1	62.8	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.4	63.4
IV 10000	63.2	64.1	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.7	64.7
IV 8000	66.2	67.6	67.8	68.2	68.2	68.2	68.3	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.8	68.8
IV 7000	71.0	72.9	73.3	74.0	74.0	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.6	74.6
IV 6000	71.4	73.3	73.6	74.3	74.3	74.3	74.3	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.9	74.9
IV 5000	74.0	76.0	76.4	77.1	77.3	77.3	77.4	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.9	77.9
IV 4500	74.6	76.6	77.0	77.7	77.9	77.9	78.1	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.6	78.6
IV 4000	78.1	80.5	81.0	81.7	81.9	81.9	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.6	82.6
IV 3500	79.2	81.6	82.0	82.7	83.0	83.0	83.2	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.7	83.7
IV 3000	81.7	84.2	84.8	85.5	85.8	85.8	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.8	86.8
IV 2500	83.5	86.2	86.8	87.5	88.1	88.1	88.5	88.7	88.7	88.8	88.8	88.8	88.8	88.8	89.0	89.0
IV 2000	85.6	88.6	89.6	90.4	91.1	91.1	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.3	92.3
IV 1800	86.1	89.2	90.1	90.9	91.6	91.6	92.3	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.9	92.9
IV 1500	86.9	90.2	91.0	92.0	92.9	92.9	93.7	94.2	94.2	95.0	95.0	95.0	95.0	95.0	95.3	95.3
IV 1200	87.5	90.8	91.6	92.6	93.5	93.5	94.3	94.8	94.8	95.6	95.7	95.7	95.9	95.9	96.1	96.1
IV 1000	88.8	92.1	92.9	93.9	95.2	95.2	96.0	96.6	96.6	97.4	97.5	97.5	97.6	97.6	97.9	97.9
IV 900	88.8	92.1	92.9	93.9	95.2	95.2	96.0	96.7	96.7	97.5	97.6	97.6	97.6	97.6	98.0	98.0
IV 800	89.4	92.7	93.5	94.4	95.7	95.7	96.6	97.3	97.3	98.1	98.2	98.2	98.3	98.3	98.6	98.6
IV 700	89.5	92.8	93.6	94.6	95.9	95.9	96.7	97.4	97.4	98.2	98.3	98.3	98.3	98.3	98.9	98.9
IV 600	89.5	92.8	93.6	94.7	96.0	96.0	96.8	97.5	97.5	98.3	98.4	98.4	98.4	98.4	99.2	99.2
IV 500	89.5	92.8	93.6	94.7	96.0	96.0	96.8	97.5	97.5	98.3	98.4	98.4	98.4	98.4	99.2	99.2
IV 400	89.5	92.8	93.6	94.7	96.0	96.0	96.8	97.5	97.5	98.3	98.4	98.4	98.4	98.4	99.2	99.2
IV 300	89.5	92.8	93.6	94.7	96.0	96.0	96.8	97.5	97.5	98.3	98.4	98.4	98.4	98.4	99.2	99.2
IV 200	89.5	92.8	93.6	94.7	96.0	96.0	96.8	97.5	97.5	98.3	98.4	98.4	98.4	98.4	99.2	99.2
IV 100	89.5	92.8	93.6	94.7	96.0	96.0	96.8	97.5	97.5	98.3	98.4	98.4	98.4	98.4	99.2	99.2
IV 0	89.5	92.8	93.6	94.7	96.0	96.0	96.8	97.5	97.5	98.3	98.4	98.4	98.4	98.4	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26210 STATION FORT STEPHEN WVT DIST

37-66

YEARS

FEH MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	54.1	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.7	55.7
IV 18000	54.5	55.0	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	56.0	56.0
IV 16000	54.5	55.0	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	56.0	56.0
IV 14000	54.7	55.2	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6	56.3	56.3
IV 12000	55.4	55.9	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.3	56.3	56.3	56.3	56.3	57.0	57.0
IV 10000	56.0	56.5	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	57.6	57.6
IV 9000	59.0	59.5	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	60.5	60.5
IV 8000	60.3	60.9	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.9	61.9
IV 7000	63.6	64.2	64.3	64.3	64.7	64.7	64.8	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.8	65.8
IV 6000	68.4	69.7	70.0	70.1	70.4	70.4	70.6	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.7	71.7
IV 5000	70.3	71.2	71.4	71.5	71.9	71.9	72.0	72.2	72.2	72.3	72.3	72.3	72.3	72.3	73.2	73.2
IV 4500	74.2	75.4	75.8	76.0	76.4	76.4	76.8	77.0	77.2	77.2	77.4	77.4	77.4	77.4	78.1	78.1
IV 4000	74.8	76.1	76.5	76.7	78.0	78.0	78.1	78.4	78.4	78.6	78.6	78.6	78.6	78.6	79.3	79.3
IV 3500	78.8	80.5	80.9	81.1	82.4	82.4	82.6	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.8	83.8
IV 3000	79.6	81.2	81.6	81.8	83.1	83.1	83.3	83.6	83.6	83.8	83.8	83.8	83.8	83.8	84.5	84.5
IV 2500	81.6	83.9	84.4	84.9	86.2	86.2	86.4	86.6	86.6	86.9	86.9	86.9	86.9	86.9	87.6	87.6
IV 2000	84.2	86.6	87.1	87.6	89.0	89.0	89.4	89.6	89.6	90.0	90.0	90.0	90.0	90.0	90.7	90.7
IV 1800	85.1	87.7	88.2	88.7	90.1	90.1	90.5	90.8	90.8	91.3	91.3	91.3	91.3	91.3	92.1	92.1
IV 1500	85.0	88.2	88.7	89.1	90.5	90.5	91.0	91.3	91.3	91.7	91.8	91.8	91.8	91.8	92.6	92.6
IV 1200	87.1	89.8	90.4	90.9	92.3	92.3	92.8	93.4	93.4	94.3	94.6	94.6	94.6	94.6	95.3	95.3
IV 1000	88.7	91.6	92.2	92.7	94.1	94.1	94.9	95.2	95.2	96.1	96.3	96.3	96.3	96.3	97.0	97.0
IV 900	89.2	92.2	92.8	93.3	94.9	94.9	95.7	96.0	96.0	97.2	97.4	97.4	97.4	97.4	98.1	98.1
IV 800	89.7	92.7	93.3	93.7	95.4	95.4	96.2	96.5	96.5	97.6	97.9	97.9	97.9	97.9	98.7	98.7
IV 700	89.7	92.7	93.3	93.7	95.4	95.4	96.2	96.5	96.5	97.6	97.9	97.9	97.9	97.9	98.8	98.8
IV 600	89.7	92.7	93.3	93.7	95.4	95.4	96.2	96.5	96.5	97.6	97.9	97.9	97.9	97.9	98.9	98.9
IV 500	89.7	92.7	93.3	93.7	95.4	95.4	96.2	96.5	96.5	97.6	97.9	97.9	97.9	97.9	98.9	98.9
IV 400	89.8	92.8	93.4	93.9	95.5	95.5	96.3	96.7	96.7	97.8	98.0	98.1	98.1	98.1	99.1	99.1
IV 300	89.8	92.8	93.4	93.9	95.5	95.5	96.3	96.7	96.7	97.8	98.0	98.1	98.1	98.1	99.1	99.1
IV 200	89.8	92.8	93.4	93.9	95.5	95.5	96.3	96.7	96.7	97.8	98.0	98.1	98.1	98.1	99.1	99.1
IV 100	89.8	92.8	93.4	93.9	95.5	95.5	96.3	96.7	96.7	97.8	98.0	98.1	98.1	98.1	99.1	99.1
IV 0	89.8	92.8	93.4	93.9	95.5	95.5	96.3	96.7	96.7	97.8	98.0	98.1	98.1	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 846

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26210 STATION NAME: FORT SIMPSON NWT DIST

57-66

YEARS

1 FEB

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	49.8	49.9	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.5	50.5	50.5	50.5	50.5	50.9	50.9
≥ 20000	50.9	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	52.1	52.1
IV 18000	51.2	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.9	51.9	51.9	51.9	51.9	52.4	52.4
16000	51.3	51.4	51.5	51.7	51.7	51.7	51.7	51.7	51.7	52.0	52.0	52.0	52.0	52.0	52.5	52.5
IV 14000	52.0	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.7	52.7	52.7	52.7	52.7	53.2	53.2
12000	52.0	52.7	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.8	53.8
IV 10000	55.7	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5	56.5	57.0	57.0
9000	58.9	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.7	59.7	59.7	59.7	59.7	60.2	60.2
IV 8000	61.6	62.5	62.6	62.8	62.9	62.9	62.9	62.9	62.9	63.5	63.5	63.5	63.5	63.5	63.9	63.9
7000	64.7	66.4	66.5	66.7	66.9	66.9	66.9	66.9	66.9	67.6	67.6	67.6	67.6	67.6	68.1	68.1
IV 6000	65.5	67.4	67.5	67.7	68.0	68.0	68.0	68.0	68.0	68.8	68.8	68.8	68.8	68.8	69.3	69.3
5000	69.6	72.0	72.1	72.5	72.9	72.9	73.0	73.0	73.0	73.9	73.9	73.9	73.9	73.9	74.3	74.3
IV 4500	70.0	72.3	72.6	72.9	73.4	73.4	73.5	73.5	73.5	74.3	74.3	74.3	74.3	74.3	74.8	74.8
4000	74.1	77.3	77.7	78.0	78.5	78.5	78.7	78.7	78.7	79.6	79.6	79.6	79.6	79.6	80.0	80.0
IV 3500	75.7	78.8	79.2	79.6	80.0	80.0	80.3	80.3	80.3	81.1	81.1	81.1	81.1	81.1	81.6	81.6
3000	77.2	80.7	81.1	81.7	82.3	82.3	82.6	82.6	82.6	83.6	83.7	83.7	83.7	83.7	84.2	84.2
IV 2500	79.9	83.5	83.8	84.5	85.2	85.2	85.8	85.9	85.9	87.0	87.1	87.1	87.2	87.2	87.7	87.7
2000	82.0	85.6	86.1	86.8	87.5	87.6	88.8	89.0	89.0	90.1	90.3	90.3	90.4	90.4	90.9	90.9
IV 1800	82.5	86.1	86.5	87.2	87.9	88.1	89.2	89.5	89.5	90.5	90.8	90.8	90.9	90.9	91.4	91.4
1500	84.0	87.7	88.2	88.9	89.6	89.7	91.1	91.5	91.5	92.9	93.1	93.1	93.3	93.3	93.7	93.7
IV 1200	85.9	89.6	90.1	90.8	91.5	91.6	93.0	93.5	93.5	94.9	95.2	95.2	95.5	95.5	96.0	96.0
1000	86.3	90.0	90.4	91.1	91.8	92.0	93.2	94.0	94.0	95.6	95.9	95.9	96.2	96.2	96.7	96.7
IV 900	86.6	90.3	90.8	91.5	92.2	92.3	93.9	94.3	94.3	96.0	96.2	96.2	96.6	96.6	97.0	97.0
800	87.1	90.8	91.3	92.0	92.7	92.8	94.4	94.9	94.9	96.9	97.3	97.3	97.8	97.8	98.2	98.2
IV 700	87.1	90.8	91.3	92.0	92.7	92.8	94.4	94.9	94.9	96.9	97.3	97.3	97.8	97.8	98.2	98.2
600	87.5	91.1	91.6	92.3	93.0	93.1	94.8	95.3	95.3	97.3	97.6	97.6	98.1	98.1	98.6	98.6
IV 500	87.6	91.5	92.0	92.7	93.4	93.5	95.2	95.6	95.6	97.6	98.0	98.0	98.6	98.6	99.1	99.1
400	87.8	91.5	92.0	92.7	93.4	93.5	95.2	95.6	95.6	97.6	98.0	98.0	98.7	98.7	99.2	99.2
IV 300	87.9	91.6	92.1	92.8	93.5	93.6	95.3	95.7	95.7	97.8	98.1	98.1	98.8	98.8	99.3	99.3
200	87.9	91.6	92.1	92.8	93.5	93.6	95.3	96.0	96.0	98.0	98.3	98.3	99.1	99.1	99.5	99.5
IV 100	87.9	91.6	92.1	92.8	93.5	93.6	95.3	96.0	96.0	98.0	98.3	98.3	99.1	99.1	99.6	99.6
0	87.9	91.6	92.1	92.8	93.5	93.6	95.3	96.0	96.0	98.0	98.3	98.3	99.1	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

1  
2  
1

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

24210 E-117 STOPS IN AIR WEATHER SERVICE/MAC 37-66 YEARS FEB 1966  
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 1000-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ 0
NO CEILING	42.9	44.3	43.3	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.6	43.6	44.2	44.2
≥ 20000	49.1	49.6	50.0	50.0	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	51.5	51.5
IV 18000	49.1	49.6	50.0	50.0	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	51.5	51.5
IV 16000	49.2	49.8	50.1	50.1	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.1	51.1	51.7	51.7
IV 14000	50.0	50.6	50.9	50.9	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	52.5	52.5
IV 12000	53.5	53.1	53.4	53.4	54.1	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	55.0	55.0
IV 10000	55.9	56.9	57.2	57.3	58.0	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.5	58.5	59.1	59.1
IV 9000	61.3	62.5	62.9	63.0	63.7	63.6	64.2	64.3	64.3	64.3	64.3	64.3	64.4	64.4	65.0	65.0
IV 8000	66.0	67.5	67.8	68.1	68.8	68.9	69.5	69.7	69.7	69.7	69.7	69.7	69.9	69.9	70.4	70.4
IV 7000	69.9	71.4	71.7	72.1	72.9	73.0	73.6	73.9	73.9	74.1	74.1	74.1	74.2	74.2	74.8	74.8
IV 6000	70.1	71.6	72.0	72.3	73.2	73.3	73.9	74.1	74.1	74.3	74.3	74.3	74.5	74.5	75.1	75.1
IV 5000	72.1	73.9	74.3	74.8	75.7	75.8	76.6	76.8	76.8	77.1	77.1	77.1	77.2	77.2	77.8	77.8
IV 4500	72.9	74.7	75.2	75.7	76.5	76.6	77.4	77.7	77.7	77.9	77.9	77.9	78.0	78.0	78.6	78.6
IV 4000	74.9	76.7	77.4	77.9	78.7	78.8	79.7	80.0	80.0	80.4	80.4	80.4	80.5	80.5	81.1	81.1
IV 3500	75.5	77.5	78.3	78.7	79.6	79.7	80.5	81.0	81.0	81.3	81.3	81.3	81.4	81.4	82.0	82.0
IV 3000	77.1	80.0	80.9	81.3	82.5	82.7	83.7	84.6	84.6	85.1	85.1	85.1	85.3	85.3	85.9	85.9
IV 2500	79.4	82.5	83.3	84.3	85.8	86.1	87.0	88.1	88.1	88.5	88.5	88.5	88.8	88.8	89.4	89.4
IV 2000	80.7	84.2	85.1	86.1	87.8	88.1	89.4	90.7	90.7	91.4	91.4	91.4	91.6	91.6	92.2	92.2
IV 1800	81.7	85.1	86.1	87.1	89.1	89.4	90.7	92.0	92.0	92.9	92.9	92.9	93.1	93.1	93.7	93.7
IV 1200	82.9	86.9	87.8	88.9	90.9	91.1	92.4	93.9	94.0	95.0	95.2	95.2	95.4	95.4	96.0	96.0
IV 1000	83.3	87.5	88.5	89.7	92.1	92.3	93.7	95.2	95.3	96.8	97.3	97.3	97.5	97.5	98.1	98.1
IV 900	83.3	87.5	88.5	89.7	92.1	92.3	93.7	95.2	95.3	96.8	97.3	97.3	97.5	97.5	98.1	98.1
IV 800	83.3	87.5	88.5	89.7	92.1	92.3	93.7	95.2	95.3	96.8	97.3	97.3	97.5	97.5	98.1	98.1
IV 700	83.5	87.6	88.7	89.8	92.2	92.4	93.9	95.3	95.4	97.0	97.8	97.8	98.2	98.2	98.8	98.8
IV 600	83.5	87.6	88.7	89.8	92.2	92.4	93.9	95.3	95.4	97.0	97.8	97.8	98.2	98.2	98.8	98.8
IV 500	83.6	87.7	88.9	90.1	92.4	92.7	94.1	95.6	95.7	97.4	98.1	98.1	98.7	98.7	99.3	99.3
IV 400	83.6	87.7	88.9	90.1	92.4	92.7	94.1	95.6	95.7	97.4	98.1	98.1	98.7	98.7	99.3	99.3
IV 300	83.6	87.7	88.9	90.1	92.4	92.7	94.3	95.9	96.0	97.8	98.5	98.5	99.1	99.1	99.6	99.6
IV 200	83.6	87.7	88.9	90.1	92.4	92.7	94.3	95.9	96.0	97.8	98.5	98.5	99.1	99.1	99.6	99.6
IV 100	83.6	87.7	88.9	90.1	92.4	92.7	94.3	95.9	96.0	97.8	98.5	98.5	99.1	99.1	99.6	99.6
IV 0	83.6	87.7	88.9	90.1	92.4	92.7	94.3	95.9	96.0	97.8	98.5	98.5	99.1	99.1	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 246



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26 JUL 67 FIRST OBSERVATION DATE MONTH

57-60 YEARS

YEARS

AFB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ 0
NO CEILING	49.6	49.9	49.9	49.9	50.0	50.0	50.0	50.1	50.1	50.2	50.2	50.2	50.4	50.4	50.4
IV 20000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 18000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 16000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 14000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 12000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 10000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 9000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 8000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 7000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 6000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 5000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 4500	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 4000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 3500	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 3000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 2500	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 2000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 1800	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 1500	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 1200	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 1000	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 900	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 800	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 700	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 600	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 500	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 400	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 300	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 200	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 100	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9
IV 0	50.7	57.4	57.4	57.4	57.7	57.7	58.2	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9

TOTAL NUMBER OF OBSERVATIONS 846

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR FORCE RESERVE/AFSC

# CEILING VERSUS VISIBILITY

STATION NAME: WRIGHT FIELD YEAR: 57-66 MONTH: 1 DAY: 1 TOTAL NUMBER OF OBSERVATIONS: 946

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	50.0	50.9	50.9	50.9	50.9	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 18000	57.2	57.4	57.6	57.6	57.6	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 16000	57.4	57.4	57.6	57.6	57.6	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 14000	57.7	57.9	58.0	58.0	58.0	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 12000	60.3	60.5	60.6	60.6	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 10000	66.2	66.4	66.5	66.5	66.5	66.5	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 9000	70.2	70.4	70.6	70.6	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000	74.0	74.3	74.6	75.1	75.3	75.3	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 7000	77.5	78.1	78.6	79.1	79.6	79.6	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 6000	77.7	78.4	78.8	79.3	79.8	79.8	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 5000	78.8	79.8	80.3	80.9	81.3	81.3	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4500	79.1	80.0	80.5	81.1	81.6	81.6	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 4000	81.7	82.7	83.2	83.8	84.4	84.4	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3500	82.6	83.7	84.2	84.8	85.6	85.6	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3000	84.9	85.3	87.0	87.8	89.1	89.4	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2500	86.1	87.6	88.4	89.2	90.7	90.9	91.7	91.8	91.8	92.4	92.8	92.8	92.8	92.8	92.8	92.8
IV 2000	87.0	89.2	90.3	91.1	92.8	93.0	94.0	94.4	94.4	95.0	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800	87.6	89.2	90.3	91.1	92.8	93.0	94.0	94.4	94.4	95.0	95.5	95.5	95.5	95.5	95.5	95.5
IV 1500	88.3	90.0	91.0	91.8	93.6	93.9	94.9	95.5	95.5	96.5	97.3	97.3	97.3	97.3	97.3	97.3
IV 1200	88.4	90.1	91.1	92.0	93.7	94.0	95.0	95.7	95.7	96.7	97.5	97.5	97.5	97.5	97.5	97.5
IV 1000	88.7	90.7	91.8	92.7	94.6	94.9	96.0	96.8	96.8	98.1	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	88.7	90.7	91.8	92.7	94.6	94.9	96.0	96.8	96.8	98.1	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	88.7	90.7	91.8	92.7	94.6	94.9	96.0	96.8	96.8	98.1	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	88.7	90.7	91.8	92.7	94.6	94.9	96.0	96.8	96.8	98.1	98.9	98.9	98.9	98.9	98.9	98.9
IV 600	88.7	90.7	91.8	92.7	94.6	94.9	96.0	96.8	96.8	98.1	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	88.7	90.7	91.8	92.7	94.6	94.9	96.0	96.8	96.8	98.1	98.9	98.9	98.9	98.9	98.9	98.9
IV 400	88.7	90.7	91.8	92.7	94.6	94.9	96.0	96.8	96.8	98.1	98.9	98.9	98.9	98.9	98.9	98.9
IV 300	88.7	90.7	91.8	92.7	94.6	94.9	96.0	96.8	96.8	98.1	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	88.7	90.7	91.8	92.7	94.6	94.9	96.0	96.8	96.8	98.1	98.9	98.9	98.9	98.9	98.9	98.9
IV 100	88.7	90.7	91.8	92.7	94.6	94.9	96.0	96.8	96.8	98.1	98.9	98.9	98.9	98.9	98.9	98.9
IV 0	88.7	90.7	91.8	92.7	94.6	94.9	96.0	96.8	96.8	98.1	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS: 946

DATA PROCESSING DIVISION  
USAF ETAC  
AIR FORCE SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION NAME

37-66

YEARS

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1-68-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	57.7	56.3	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 18000	57.4	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 16000	57.4	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 14000	57.6	58.3	58.3	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 12000	58.9	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 10000	62.9	63.6	63.6	63.7	63.9	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 9000	65.2	66.2	66.2	66.3	66.5	66.5	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9
IV 8000	68.4	70.0	70.1	70.4	70.7	70.7	70.8	70.9	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 7000	72.7	74.5	74.6	75.1	75.5	75.5	75.7	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 6000	72.9	74.7	74.8	75.3	75.8	75.8	75.9	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 5000	72.9	74.6	74.6	74.8	75.4	75.4	75.6	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 4500	75.7	76.6	76.6	76.7	77.0	77.0	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4000	78.7	81.1	81.1	81.8	82.4	82.4	82.5	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3500	79.9	82.2	82.3	83.0	83.7	83.7	83.8	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3000	82.0	85.0	85.1	86.1	87.0	87.0	87.4	87.5	87.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 2500	82.9	85.8	86.3	87.5	88.4	88.5	88.9	89.0	89.0	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 2000	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1600	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1400	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1200	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1000	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 900	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 800	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 700	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 500	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 400	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 300	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 200	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 100	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 0	85.2	89.1	89.6	91.0	92.2	92.3	93.2	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3

TOTAL NUMBER OF OBSERVATIONS 846

1  
2  
1

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

24214-1 FORM 1-74 (REV. 1-74) DATE 1-74

37-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	57.8	54.6	58.6	58.7	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 20000	58.9	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 18000	58.9	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 16000	58.9	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 14000	58.9	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 12000	59.9	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 10000	62.3	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 9000	63.6	64.9	64.9	65.0	65.2	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 8000	66.4	68.0	68.1	68.4	68.9	68.9	68.9	68.9	68.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 7000	71.0	73.0	73.2	73.5	74.0	74.0	74.0	74.0	74.0	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 6000	72.1	74.1	74.2	74.6	75.1	75.1	75.1	75.1	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 5000	75.1	77.2	77.8	78.1	78.6	78.6	78.6	78.6	78.6	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 4500	76.0	78.3	78.8	79.2	79.8	79.8	79.8	79.8	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4000	76.5	81.0	81.6	82.0	82.9	82.9	83.0	83.0	83.0	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 3500	79.7	82.2	82.7	83.2	84.0	84.0	84.2	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	81.8	84.4	85.0	85.5	86.3	86.3	86.4	86.4	86.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 2500	84.0	86.6	87.2	87.7	88.7	88.8	88.9	88.9	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2000	86.9	88.1	88.8	89.2	90.7	90.8	91.1	91.3	91.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800	85.5	88.7	89.4	89.8	91.3	91.4	91.7	91.8	91.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1500	86.6	90.0	90.8	91.3	92.9	93.0	93.3	94.1	94.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	87.5	90.9	91.7	92.2	93.9	94.0	94.4	95.0	95.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000	88.4	91.5	92.7	93.1	94.8	94.9	95.4	96.2	96.2	98.1	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	88.5	92.0	92.8	93.3	94.9	95.0	95.5	96.3	96.3	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	88.7	92.1	92.9	93.4	95.0	95.2	95.6	96.5	96.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	88.9	92.3	93.1	93.6	95.3	95.4	96.0	96.8	96.8	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	89.0	92.4	93.3	93.7	95.4	95.5	96.1	96.9	96.9	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 500	89.1	92.6	93.6	94.1	95.7	95.9	96.5	97.3	97.3	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	89.1	92.8	93.6	94.1	95.7	95.9	96.5	97.3	97.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	89.1	92.8	93.6	94.1	95.7	95.9	96.5	97.3	97.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	89.1	92.8	93.6	94.1	95.7	95.9	96.5	97.3	97.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	89.1	92.8	93.6	94.1	95.7	95.9	96.5	97.3	97.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	89.1	92.8	93.6	94.1	95.7	95.9	96.5	97.3	97.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 846

1  
2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

20210 FORT STODOLSKY, WY 82101

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0400

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	60.0	61.0	61.1	61.2	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6
IV 20000	62.5	62.7	62.8	62.9	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3
IV 18000	62.5	62.7	62.8	62.9	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3
IV 16000	62.5	62.7	62.8	62.9	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3
IV 14000	62.6	62.8	63.1	63.2	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7
IV 12000	62.6	62.8	63.1	63.2	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7
IV 10000	65.6	66.1	66.5	66.6	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0
IV 9000	66.9	67.4	67.7	68.0	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5
IV 8000	69.9	70.9	71.2	71.4	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9
IV 7000	72.7	74.2	74.6	74.8	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5
IV 6000	73.5	75.1	75.5	75.7	76.3	76.3	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5
IV 5000	77.5	79.6	79.6	79.9	80.6	80.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8
IV 4500	78.2	79.8	80.3	80.6	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5
IV 4000	80.9	82.5	83.3	83.9	85.1	85.1	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3
IV 3500	81.2	82.8	83.7	84.2	85.4	85.4	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6
IV 3000	83.1	85.1	86.5	87.4	88.6	88.6	88.7	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
IV 2500	84.9	87.3	88.9	90.0	91.4	91.4	91.5	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8
IV 2000	85.8	88.4	90.0	91.3	93.0	93.0	93.7	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1
IV 1800	86.5	89.0	90.6	91.9	93.8	93.8	94.4	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8
IV 1500	87.2	90.2	92.0	93.4	95.6	95.6	96.2	96.5	96.5	97.2	97.3	97.3	97.3	97.3	97.3
IV 1200	87.6	90.4	92.3	93.7	95.8	95.8	96.5	96.7	96.7	97.7	98.0	98.1	98.1	98.1	98.1
IV 1000	87.6	90.4	92.3	93.7	95.8	95.8	96.5	96.7	96.7	97.7	98.0	98.1	98.1	98.1	98.1
IV 900	87.6	90.4	92.3	93.7	95.8	95.8	96.5	96.7	96.7	97.7	98.0	98.1	98.1	98.1	98.1
IV 800	87.8	90.6	92.5	93.9	96.0	96.0	96.7	97.0	97.0	98.7	99.2	99.4	99.5	99.5	99.5
IV 700	87.8	90.6	92.5	93.9	96.0	96.0	96.7	97.0	97.0	98.7	99.2	99.4	99.5	99.5	99.5
IV 600	88.0	90.8	92.6	94.0	96.1	96.1	96.8	97.1	97.1	98.8	99.4	99.5	99.7	99.7	99.8
IV 500	88.0	90.8	92.6	94.0	96.1	96.1	96.8	97.1	97.1	98.8	99.4	99.5	99.7	99.7	99.8
IV 400	88.0	90.8	92.6	94.0	96.1	96.1	96.8	97.1	97.1	98.8	99.4	99.5	99.7	99.7	99.8
IV 300	88.0	90.8	92.6	94.0	96.1	96.1	96.8	97.1	97.1	98.8	99.4	99.5	99.7	99.7	99.8
IV 200	88.0	90.8	92.6	94.0	96.1	96.1	96.8	97.1	97.1	98.8	99.4	99.5	99.7	99.7	99.8
IV 100	88.0	90.8	92.6	94.0	96.1	96.1	96.8	97.1	97.1	98.8	99.4	99.5	99.7	99.7	99.8
IV 0	88.0	90.8	92.6	94.0	96.1	96.1	96.8	97.1	97.1	98.8	99.4	99.5	99.7	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS 940

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

20710 FIRST STOPS IN NOT OUT STATION NAME

57-66

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-100-0000

CEILING FEET	VISIBILITY STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	58.3	59.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000	60.0	60.9	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 16000	60.0	60.9	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 14000	60.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 12000	60.9	61.8	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 10000	63.2	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 9000	64.6	65.9	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	67.0	69.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 7000	70.6	72.5	74.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 6000	71.4	73.2	74.7	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 5000	73.6	77.6	79.5	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4500	75.9	78.2	80.2	80.3	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4000	78.4	81.0	83.2	83.4	84.0	84.1	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500	78.5	81.1	83.3	83.5	84.1	84.2	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 3000	81.0	83.8	86.5	86.9	88.0	88.1	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 2500	83.1	86.1	89.0	89.5	90.5	90.6	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2000	84.0	87.1	90.0	90.8	91.9	92.0	92.4	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1800	85.1	88.2	91.1	91.8	93.0	93.1	94.5	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	86.3	89.7	92.6	93.3	94.5	94.6	96.1	96.5	96.5	97.1	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	87.0	90.4	93.3	94.1	95.3	95.4	96.9	97.3	97.4	98.2	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	87.3	90.8	93.7	94.4	95.8	95.9	97.2	98.0	98.1	99.0	99.5	99.6	99.6	99.6	99.6	99.6
IV 900	87.3	90.8	93.7	94.4	95.8	95.9	97.2	98.0	98.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7
IV 800	87.4	90.9	93.8	94.5	95.9	96.0	97.6	98.1	98.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0
IV 700	87.4	90.9	93.8	94.5	95.9	96.0	97.6	98.1	98.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0
IV 600	87.4	90.9	93.8	94.5	95.9	96.0	97.6	98.1	98.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0
IV 500	87.4	90.9	93.8	94.5	95.9	96.0	97.6	98.1	98.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0
IV 400	87.4	90.9	93.8	94.5	95.9	96.0	97.6	98.1	98.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0
IV 300	87.4	90.9	93.8	94.5	95.9	96.0	97.6	98.1	98.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0
IV 200	87.4	90.9	93.8	94.5	95.9	96.0	97.6	98.1	98.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0
IV 100	87.4	90.9	93.8	94.5	95.9	96.0	97.6	98.1	98.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0
IV 0	87.4	90.9	93.8	94.5	95.9	96.0	97.6	98.1	98.2	99.4	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

1  
2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEAT LR SERVICE/PAO

# CEILING VERSUS VISIBILITY

STATION 2421 DATE 11-11-66 YEAR 57-66 MONTH AF  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS) 0.00-00.00

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 0
NO CEILING	50.9	51.0	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4
≥ 20000	53.7	53.8	53.8	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3
18000	53.7	53.8	53.8	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3
16000	53.7	53.8	53.8	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3
14000	54.0	54.1	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6
12000	54.0	54.1	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6
10000	58.1	58.3	58.3	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9
9000	58.8	60.0	60.0	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6
8000	64.8	65.6	65.8	65.9	66.8	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2
7000	68.7	69.5	69.7	70.0	70.9	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4
6000	69.6	70.3	70.5	70.9	71.7	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3
5000	74.1	76.0	76.3	76.7	78.0	78.1	78.3	78.6	78.6	78.6	78.7	78.7	78.8	78.8	78.8
4500	74.4	76.5	76.9	77.2	78.5	78.6	79.0	79.1	79.1	79.2	79.4	79.4	79.5	79.5	79.5
4000	76.9	79.6	80.3	80.6	82.3	82.5	83.4	83.5	83.5	83.9	84.0	84.0	84.1	84.1	84.1
3500	77.5	80.2	81.1	81.4	83.0	83.2	84.2	84.3	84.3	84.6	84.7	84.7	84.8	84.8	84.8
3000	79.7	82.7	83.8	84.1	85.9	86.1	87.3	87.5	87.5	88.1	88.2	88.2	88.3	88.3	88.3
2500	82.0	85.2	86.3	86.8	88.7	89.0	90.4	90.6	90.6	91.5	91.6	91.6	91.7	91.7	91.7
2000	83.2	86.7	87.8	88.4	90.3	90.6	92.4	92.7	92.7	94.0	94.1	94.1	94.2	94.2	94.2
1800	84.0	87.1	88.3	88.8	90.8	91.1	92.8	93.1	93.1	94.4	94.5	94.5	94.6	94.6	94.6
1500	84.5	87.7	88.9	89.6	91.8	92.2	94.4	94.9	94.9	97.1	97.3	97.3	97.5	97.5	97.5
1200	85.7	89.0	90.2	90.9	93.1	93.4	95.7	95.2	96.2	98.4	98.6	98.6	98.8	98.8	98.8
1000	86.1	89.5	90.6	91.3	93.5	93.9	96.1	96.7	96.7	99.2	99.5	99.5	99.8	99.8	99.8
900	86.1	89.5	90.6	91.3	93.5	93.9	96.1	96.7	96.7	99.2	99.5	99.5	99.8	99.8	99.8
800	86.1	89.5	90.6	91.3	93.5	93.9	96.1	96.7	96.7	99.2	99.5	99.5	99.8	99.8	99.8
700	86.1	89.5	90.6	91.3	93.5	93.9	96.1	96.7	96.7	99.2	99.5	99.5	99.8	99.8	99.8
600	86.1	89.5	90.6	91.3	93.5	93.9	96.1	96.7	96.7	99.2	99.5	99.5	99.8	99.8	99.8
500	86.1	89.5	90.6	91.3	93.5	93.9	96.1	96.7	96.7	99.2	99.5	99.5	99.9	99.9	99.9
400	86.1	89.5	90.6	91.3	93.5	93.9	96.1	96.7	96.7	99.2	99.5	99.5	99.9	99.9	99.9
300	86.1	89.5	90.6	91.3	93.5	93.9	96.1	96.7	96.7	99.2	99.5	99.5	99.9	99.9	99.9
200	86.1	89.5	90.6	91.3	93.5	93.9	96.1	96.7	96.7	99.2	99.5	99.5	99.9	99.9	99.9
100	86.1	89.5	90.6	91.3	93.5	93.9	96.1	96.7	96.7	99.2	99.5	99.5	99.9	99.9	99.9
0	86.1	89.5	90.6	91.3	93.5	93.9	96.1	96.7	96.7	99.2	99.5	99.5	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26410 STATION NAME FLINT SIMPSON W.T. DDT

37-66

YEARS

1 AR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.4	50.6	50.6	50.6	50.9	51.0	51.0	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 20000	57.4	58.2	58.3	58.4	58.6	58.7	58.7	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000	57.4	58.2	58.3	58.4	58.6	58.7	58.7	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 16000	57.4	58.2	58.3	58.4	58.6	58.7	58.7	58.8	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 14000	57.5	58.5	58.6	58.7	58.9	59.0	59.0	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 12000	58.9	60.0	60.2	60.3	60.5	60.6	60.6	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 10000	62.8	64.1	64.3	64.7	64.9	65.1	65.1	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 9000	65.7	67.1	67.4	68.0	68.4	68.5	68.6	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 8000	71.7	74.0	74.3	75.4	76.1	76.6	77.1	77.4	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 7000	74.0	76.2	77.0	78.0	78.7	79.1	79.8	80.1	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 6000	74.3	76.6	77.3	78.4	79.1	79.6	80.2	80.5	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	76.3	78.8	79.7	80.8	81.5	81.9	82.6	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4500	76.8	79.2	80.1	81.2	82.2	82.6	83.2	83.5	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4000	79.1	81.6	82.9	84.1	85.1	85.5	86.2	86.6	86.6	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3500	79.9	82.6	83.8	84.9	86.0	86.5	87.2	87.5	87.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3000	81.1	84.2	85.4	86.7	88.1	88.5	89.4	89.9	89.9	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 2500	82.2	85.9	87.5	88.9	90.5	91.0	91.9	92.5	92.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 2000	83.2	87.0	88.6	90.0	91.7	92.2	93.1	93.7	93.7	95.3	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800	83.5	87.3	88.9	90.3	92.0	92.5	93.4	94.0	94.0	95.6	95.8	95.8	95.8	95.8	95.8	95.8
IV 1500	83.8	88.1	89.8	91.4	93.2	93.7	94.6	95.2	95.2	97.0	97.2	97.3	97.5	97.5	97.5	97.5
IV 1200	84.2	88.4	90.5	92.2	94.0	94.4	95.5	96.0	96.0	97.8	98.1	98.2	98.4	98.4	98.4	98.4
IV 1000	84.2	88.0	90.5	92.3	94.2	94.6	95.9	96.6	96.6	99.0	99.2	99.4	99.6	99.6	99.6	99.6
IV 900	84.2	88.8	90.5	92.3	94.2	94.6	95.9	96.6	96.6	99.0	99.2	99.4	99.6	99.6	99.6	99.6
IV 800	84.2	88.8	90.5	92.3	94.2	94.6	95.9	96.6	96.6	99.0	99.2	99.4	99.6	99.6	99.6	99.6
IV 700	84.2	88.8	90.5	92.3	94.2	94.6	95.9	96.6	96.6	99.0	99.4	99.5	99.7	99.7	99.7	99.7
IV 600	84.2	88.8	90.5	92.3	94.2	94.6	95.9	96.6	96.6	99.0	99.4	99.5	99.7	99.7	99.7	99.7
IV 500	84.3	88.9	90.6	92.4	94.3	94.7	96.0	96.7	96.7	99.1	99.5	99.6	99.8	99.8	99.8	99.8
IV 400	84.3	88.9	90.6	92.4	94.3	94.7	96.0	96.7	96.7	99.1	99.5	99.6	99.8	99.8	99.8	99.8
IV 300	84.3	88.9	90.6	92.4	94.3	94.7	96.0	96.7	96.7	99.1	99.5	99.6	99.8	99.8	99.8	99.8
IV 200	84.3	88.9	90.6	92.4	94.3	94.7	96.0	96.7	96.7	99.1	99.5	99.6	99.8	99.8	99.8	99.8
IV 100	84.3	88.9	90.6	92.4	94.3	94.7	96.0	96.7	96.7	99.1	99.5	99.6	99.8	99.8	99.8	99.8
IV 0	84.3	88.9	90.6	92.4	94.3	94.7	96.0	96.7	96.7	99.1	99.5	99.6	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 940



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

24210 FORT SIMPSON N.F. UNIT

37-46

YEARS

AP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1250-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	62.3	63.3	63.4	63.4	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IN 18000	62.5	63.3	63.4	63.4	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IN 16000	62.8	63.7	63.8	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IN 14000	63.2	64.2	64.3	64.3	64.3	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IN 12000	64.8	65.8	65.9	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IN 10000	69.4	70.5	70.6	70.9	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IN 9000	72.4	73.9	74.0	74.2	74.4	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IN 8000	76.8	78.7	78.8	79.1	79.5	79.7	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IN 7000	77.7	79.9	80.1	80.5	81.0	81.2	81.8	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IN 6000	77.8	80.0	80.2	80.6	81.5	81.7	82.4	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IN 5000	79.7	81.8	82.2	82.6	83.4	83.7	84.3	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IN 4500	80.0	82.2	82.5	82.9	83.8	84.0	84.6	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IN 4000	81.9	84.1	84.5	84.9	85.9	86.1	86.9	87.4	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.8
IN 3500	82.7	84.8	85.3	85.7	86.7	86.9	87.6	88.2	88.2	88.5	88.6	88.6	88.6	88.6	88.6	88.6
IN 3000	83.8	86.1	86.6	87.1	88.2	88.4	89.2	89.9	89.9	90.4	90.6	90.6	90.6	90.6	90.6	90.6
IN 2500	85.5	88.1	88.5	89.1	90.5	90.8	91.6	92.3	92.3	92.8	93.0	93.0	93.0	93.0	93.0	93.0
IN 2000	86.8	89.6	90.0	90.9	92.3	92.5	93.3	94.0	94.1	95.7	96.1	96.1	96.1	96.1	96.1	96.1
IN 1800	87.1	89.9	90.3	91.2	92.6	92.8	93.7	94.3	94.4	96.0	96.7	96.7	96.8	96.8	96.8	96.8
IN 1500	87.5	90.6	91.1	91.9	93.3	93.5	94.4	95.2	95.3	97.0	97.7	97.7	98.1	98.1	98.1	98.1
IN 1200	87.7	90.9	91.3	92.4	93.9	94.1	95.1	95.8	95.9	97.7	98.5	98.5	98.8	98.8	98.8	98.8
IN 1000	87.7	91.1	91.5	92.6	94.2	94.5	95.5	96.2	96.3	98.4	99.1	99.1	99.6	99.6	99.6	99.6
IN 900	87.7	91.1	91.5	92.6	94.2	94.5	95.5	96.2	96.6	98.6	99.4	99.4	99.8	99.8	99.8	99.8
IN 800	87.7	91.1	91.5	92.6	94.2	94.5	95.5	96.2	96.6	98.6	99.4	99.4	99.8	99.8	99.8	99.8
IN 700	87.7	91.1	91.5	92.6	94.2	94.5	95.5	96.2	96.6	98.6	99.5	99.6	100.0	100.0	100.0	100.0
IN 600	87.7	91.1	91.5	92.6	94.2	94.5	95.5	96.2	96.6	98.6	99.5	99.6	100.0	100.0	100.0	100.0
IN 500	87.7	91.1	91.5	92.6	94.2	94.5	95.5	96.2	96.6	98.6	99.5	99.6	100.0	100.0	100.0	100.0
IN 400	87.7	91.1	91.5	92.6	94.2	94.5	95.5	96.2	96.6	98.6	99.5	99.6	100.0	100.0	100.0	100.0
IN 300	87.7	91.1	91.5	92.6	94.2	94.5	95.5	96.2	96.6	98.6	99.5	99.6	100.0	100.0	100.0	100.0
IN 200	87.7	91.1	91.5	92.6	94.2	94.5	95.5	96.2	96.6	98.6	99.5	99.6	100.0	100.0	100.0	100.0
IN 100	87.7	91.1	91.5	92.6	94.2	94.5	95.5	96.2	96.6	98.6	99.5	99.6	100.0	100.0	100.0	100.0
IN 0	87.7	91.1	91.5	92.6	94.2	94.5	95.5	96.2	96.6	98.6	99.5	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 946

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

## CEILING VERSUS VISIBILITY

2421C FULT STIMPSON AFB DUT STATION NAME

57-66

YEARS

AR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1-200-1700

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	53.8	51.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	61.6	61.7	61.7	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 18000	61.6	61.7	61.7	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 16000	61.8	61.9	61.9	62.0	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 14000	62.4	62.6	62.6	62.7	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 12000	64.4	64.6	64.6	64.7	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 10000	69.6	69.9	70.0	70.1	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 9000	72.3	72.5	73.3	73.4	73.5	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 8000	78.5	79.5	80.1	80.3	80.9	81.0	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 7000	79.4	80.3	81.1	81.3	82.2	82.4	82.9	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	79.9	81.1	81.8	82.2	83.1	83.3	83.9	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3
IV 5000	82.0	83.3	84.1	84.4	85.4	85.6	86.2	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7
IV 4500	82.2	83.4	84.2	84.5	85.5	85.7	86.3	86.5	86.6	86.8	86.8	86.8	86.8	86.8	86.8
IV 4000	86.1	85.7	86.6	86.9	88.1	88.3	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6
IV 3500	84.3	85.0	86.9	87.3	88.5	88.7	89.6	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0
IV 3000	85.7	87.6	88.5	89.0	90.5	90.8	91.7	92.2	92.2	92.5	92.6	92.6	92.6	92.6	92.6
IV 2500	86.8	88.7	89.6	90.1	91.6	91.8	92.8	93.2	93.2	93.5	93.7	93.7	93.7	93.7	93.7
IV 2000	88.2	90.3	91.2	91.7	93.3	93.5	94.3	95.7	95.7	96.3	96.6	96.6	96.6	96.6	96.6
IV 1800	88.2	90.3	91.2	91.7	93.3	93.5	94.3	95.7	95.7	96.3	96.6	96.6	96.6	96.6	96.6
IV 1500	88.6	90.8	91.6	92.2	93.8	94.2	95.9	96.5	96.5	97.6	97.8	97.8	97.8	97.8	97.8
IV 1200	89.2	91.4	92.3	92.8	94.4	94.8	96.6	97.2	97.2	98.5	98.7	98.7	98.7	98.7	98.7
IV 1000	89.2	91.4	92.3	92.8	94.5	94.9	96.8	97.5	97.5	98.9	99.1	99.1	99.1	99.1	99.1
IV 900	89.2	91.4	92.3	92.8	94.5	94.9	96.8	97.5	97.5	98.9	99.1	99.1	99.1	99.1	99.1
IV 800	89.2	91.4	92.3	92.8	94.5	94.9	96.8	97.5	97.5	98.9	99.1	99.1	99.1	99.1	99.1
IV 700	89.2	91.4	92.3	92.8	94.5	94.9	96.8	97.5	97.5	98.9	99.1	99.1	99.1	99.1	99.1
IV 600	89.2	91.4	92.3	92.8	94.5	94.9	96.8	97.5	97.5	98.9	99.1	99.1	99.1	99.1	99.1
IV 500	89.2	91.4	92.3	92.8	94.5	94.9	96.8	97.5	97.5	98.9	99.1	99.1	99.1	99.1	99.1
IV 400	89.2	91.4	92.3	92.8	94.5	94.9	96.8	97.5	97.5	98.9	99.1	99.1	99.1	99.1	99.1
IV 300	89.2	91.4	92.3	92.8	94.5	94.9	96.8	97.5	97.5	98.9	99.1	99.1	99.1	99.1	99.1
IV 200	89.2	91.4	92.3	92.8	94.5	94.9	96.8	97.5	97.5	98.9	99.1	99.1	99.1	99.1	99.1
IV 100	89.2	91.4	92.3	92.8	94.5	94.9	96.8	97.5	97.5	98.9	99.1	99.1	99.1	99.1	99.1
IV 0	89.2	91.4	92.3	92.8	94.5	94.9	96.8	97.5	97.5	98.9	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 940

1  
2  
1

DATA PROCESSING DIVISION  
USAF ETAC  
416 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

242100 FORT SIMPSON NWT UNIT

57-66

YEARS

1 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-2000

CEILING FEET.	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	55.2	55.5	55.5	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 18000	59.0	59.5	59.5	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 16000	59.0	59.5	59.5	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 14000	59.5	59.9	59.9	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 12000	60.3	61.0	61.0	61.2	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 10000	64.2	64.6	64.6	64.8	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 9000	66.8	67.3	67.3	67.7	67.8	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 8000	73.4	74.3	74.3	75.1	75.2	75.3	75.4	75.4	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 7000	75.9	76.8	76.8	77.5	77.6	77.7	77.8	77.8	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000	76.3	77.2	77.3	78.3	78.4	78.5	78.6	78.6	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 5000	78.3	79.2	79.4	80.3	80.4	80.5	80.8	80.8	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 4500	79.0	80.0	80.1	81.1	81.2	81.3	81.6	81.6	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4000	82.2	83.5	83.7	84.7	84.8	84.9	85.4	85.4	85.4	85.9	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500	83.3	85.1	85.2	86.2	86.5	86.6	87.0	87.0	87.0	87.5	87.6	87.6	87.6	87.6	87.6	87.6
IV 3000	86.0	88.0	88.1	89.2	89.7	89.8	90.2	90.2	90.2	90.9	91.1	91.1	91.1	91.1	91.1	91.1
IV 2500	86.9	89.1	89.2	90.4	90.9	91.0	91.4	91.4	91.4	92.2	92.4	92.4	92.6	92.6	92.6	92.6
IV 2000	87.8	90.2	90.5	91.8	92.7	92.8	93.3	93.7	93.7	95.1	95.4	95.4	95.6	95.6	95.6	95.6
IV 1800	87.8	90.2	90.5	91.8	92.7	92.8	93.3	93.7	93.7	95.1	95.4	95.4	95.6	95.6	95.6	95.6
IV 1500	88.2	90.6	91.0	92.3	93.1	93.2	93.9	94.2	94.2	96.1	96.7	96.7	96.9	96.9	96.9	96.9
IV 1200	88.7	91.2	91.5	92.8	93.7	93.8	94.4	94.8	94.8	96.9	97.5	97.5	97.7	97.7	97.7	97.7
IV 1000	88.9	91.4	91.7	93.0	93.9	94.0	94.9	95.8	95.8	98.3	99.0	99.0	99.2	99.2	99.2	99.2
IV 900	88.9	91.4	91.7	93.0	93.9	94.0	94.9	95.8	95.8	98.3	99.0	99.0	99.2	99.2	99.2	99.2
IV 800	88.9	91.4	91.7	93.0	93.9	94.0	94.9	95.8	95.8	98.3	99.1	99.1	99.4	99.4	99.4	99.4
IV 700	88.9	91.4	91.7	93.0	93.9	94.0	94.9	95.8	95.8	98.3	99.2	99.5	99.7	99.7	99.7	99.7
IV 600	88.9	91.4	91.7	93.0	93.9	94.0	94.9	95.8	95.8	98.3	99.2	99.5	99.7	99.7	99.7	99.7
IV 500	88.9	91.4	91.7	93.0	93.9	94.0	94.9	95.8	95.8	98.3	99.2	99.5	99.7	99.7	99.7	99.7
IV 400	88.9	91.4	91.7	93.0	93.9	94.0	94.9	95.8	95.8	98.3	99.2	99.5	99.7	99.7	99.7	99.7
IV 300	88.9	91.4	91.7	93.0	93.9	94.0	94.9	95.8	95.8	98.3	99.2	99.5	99.7	99.7	99.7	99.7
IV 200	88.9	91.4	91.7	93.0	93.9	94.0	94.9	95.8	95.8	98.3	99.2	99.5	99.7	99.7	99.7	99.7
IV 100	88.9	91.4	91.7	93.0	93.9	94.0	94.9	95.8	95.8	98.3	99.2	99.5	99.7	99.7	99.7	99.7
IV 0	88.9	91.4	91.7	93.0	93.9	94.0	94.9	95.8	95.8	98.3	99.2	99.5	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26410 FIRST STATION MET UNIT

37-66

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 0
NO CEILING ≥ 20000	62.2	62.6	62.8	62.9	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3
IV 18000	64.6	65.2	65.3	65.4	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8
IV 16000	64.6	65.2	65.3	65.4	65.6	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8
IV 14000	64.7	65.3	65.4	65.5	65.7	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9
IV 12000	65.1	65.8	65.7	65.8	66.0	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2
IV 10000	67.6	68.3	68.4	68.5	68.7	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9
IV 9000	69.1	70.0	70.2	70.3	70.5	70.6	70.6	70.6	70.6	70.9	70.9	70.9	70.9	70.9	70.9
IV 8000	71.7	72.8	73.0	73.2	73.5	73.7	73.7	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000	74.0	75.3	75.6	75.8	76.2	76.3	76.3	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8
IV 6000	74.8	76.5	76.8	77.0	77.4	77.5	77.5	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0
IV 5000	76.6	78.4	78.7	78.9	79.5	79.6	79.6	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0
IV 4500	78.2	80.0	80.3	80.5	81.1	81.2	81.2	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	81.0	82.9	83.3	83.7	84.2	84.3	84.3	84.7	84.7	85.1	85.1	85.1	85.1	85.1	85.1
IV 3500	81.7	83.8	84.3	84.6	85.2	85.3	85.5	85.8	85.8	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000	84.2	87.2	87.7	88.3	88.8	88.9	89.2	89.8	89.8	90.1	90.1	90.1	90.1	90.1	90.1
IV 2500	85.7	89.1	89.7	90.2	90.8	90.9	91.3	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.2
IV 2000	86.2	89.9	90.6	91.3	92.3	92.5	93.7	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4
IV 1800	86.5	90.1	90.9	91.5	92.6	92.8	94.1	94.4	94.4	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	86.9	90.5	91.3	92.2	93.8	94.0	95.3	95.7	95.7	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	87.2	91.0	91.7	92.6	94.2	94.4	95.8	96.5	96.5	97.5	97.8	97.8	97.8	98.1	98.1
IV 1000	87.3	91.1	91.8	92.7	94.3	94.5	96.0	96.8	96.8	98.0	98.0	98.0	98.0	98.7	98.7
IV 900	87.3	91.1	91.8	92.7	94.3	94.5	96.0	96.8	96.8	98.0	98.0	98.0	98.0	98.7	98.7
IV 800	87.3	91.1	91.8	92.7	94.3	94.5	96.0	96.8	96.8	98.0	98.0	98.0	98.0	98.7	98.7
IV 700	87.4	91.2	91.9	92.8	94.4	94.6	96.1	96.9	96.9	98.1	98.1	98.1	98.1	99.5	99.5
IV 600	87.4	91.2	91.9	92.8	94.4	94.6	96.1	96.9	96.9	98.1	98.1	98.1	98.1	99.5	99.5
IV 500	87.4	91.2	91.9	92.8	94.4	94.6	96.1	96.9	96.9	98.1	98.1	98.1	98.1	99.5	99.5
IV 400	87.4	91.2	91.9	92.8	94.4	94.6	96.1	96.9	96.9	98.1	98.1	98.1	98.1	99.5	99.5
IV 300	87.4	91.2	91.9	92.8	94.4	94.6	96.1	96.9	96.9	98.1	98.1	98.1	98.1	99.5	99.5
IV 200	87.4	91.2	91.9	92.8	94.4	94.6	96.1	96.9	96.9	98.1	98.1	98.1	98.1	99.5	99.5
IV 100	87.4	91.2	91.9	92.8	94.4	94.6	96.1	96.9	96.9	98.1	98.1	98.1	98.1	99.5	99.5
IV 0	87.4	91.2	91.9	92.8	94.4	94.6	96.1	96.9	96.9	98.1	98.1	98.1	98.1	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 740

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

26 JUL 66 FORT STODDEN, N. I. DOT

57-66

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 20000	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 18000	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 16000	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 14000	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 12000	63.1	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 10000	66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 9000	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 8000	69.0	69.3	69.3	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 7000	72.1	72.4	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 6000	73.0	73.3	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 5000	77.2	78.0	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 4500	78.9	79.7	79.8	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4000	81.1	82.3	82.6	82.9	83.2	83.2	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 3500	83.8	85.0	85.2	85.6	85.9	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3000	86.3	87.6	87.9	88.2	88.9	88.9	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2500	87.4	88.7	89.1	89.6	90.3	90.3	91.0	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2000	90.1	91.4	91.2	91.7	92.4	92.4	93.7	93.8	93.8	94.1	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800	90.0	91.4	92.1	92.6	93.3	93.3	94.6	94.7	94.7	95.0	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	91.3	92.6	93.6	94.0	94.8	94.8	96.0	96.2	96.2	96.8	97.0	97.0	97.0	97.0	97.0	97.0
IV 1200	91.9	93.4	94.4	94.9	95.7	95.7	96.9	97.1	97.2	97.8	98.0	98.0	98.0	98.1	98.1	98.1
IV 1000	92.0	93.7	94.8	95.2	96.1	96.1	97.4	97.8	97.9	99.0	99.2	99.2	99.2	99.3	99.4	99.4
IV 900	92.0	93.7	94.8	95.2	96.1	96.1	97.4	97.8	97.9	99.0	99.2	99.2	99.2	99.3	99.4	99.4
IV 800	92.0	93.7	94.8	95.2	96.1	96.1	97.4	97.8	97.9	99.0	99.2	99.2	99.2	99.3	99.4	99.4
IV 700	92.0	93.7	94.8	95.2	96.1	96.1	97.4	97.8	97.9	99.0	99.2	99.2	99.2	99.3	99.4	99.4
IV 600	92.0	93.7	94.8	95.2	96.1	96.1	97.4	97.8	97.9	99.0	99.2	99.2	99.2	99.3	99.4	99.4
IV 500	92.0	93.7	94.8	95.2	96.1	96.1	97.4	97.8	97.9	99.0	99.2	99.2	99.2	99.3	99.4	99.4
IV 400	92.0	93.7	94.8	95.2	96.1	96.1	97.4	97.8	97.9	99.0	99.2	99.2	99.2	99.3	99.4	99.4
IV 300	92.0	93.7	94.8	95.2	96.1	96.1	97.4	97.8	97.9	99.0	99.2	99.2	99.2	99.3	99.4	99.4
IV 200	92.0	93.7	94.8	95.2	96.1	96.1	97.4	97.8	97.9	99.0	99.2	99.2	99.2	99.3	99.4	99.4
IV 100	92.0	93.7	94.8	95.2	96.1	96.1	97.4	97.8	97.9	99.0	99.2	99.2	99.2	99.3	99.4	99.4
IV 0	92.0	93.7	94.8	95.2	96.1	96.1	97.4	97.8	97.9	99.0	99.2	99.2	99.2	99.3	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR CRAFT SERVICE/AC

# CEILING VERSUS VISIBILITY

2-21-66 STATION NAME: T. STATION NAME: T. STATION NAME: T.

57-66

YEARS

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0-200-0-500

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NC CEILING ≥ 20000	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8
IV 18000	55.9	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4
IV 16000	55.9	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4
IV 14000	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7
IV 12000	56.4	56.6	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0
IV 10000	56.9	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4
IV 9000	60.6	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2
IV 8000	62.1	62.4	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8
IV 7000	65.4	65.6	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1
IV 6000	69.2	69.9	70.2	70.2	70.4	70.4	70.4	70.4	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
IV 5000	70.2	70.9	71.2	71.2	71.4	71.4	71.4	71.4	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
IV 4500	74.9	75.9	76.2	76.3	76.8	76.8	76.8	76.8	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1
IV 4000	76.0	77.0	77.3	77.4	78.0	78.0	78.0	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3500	78.6	79.9	80.3	80.4	81.1	81.1	81.1	81.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6
IV 3000	80.7	82.1	82.6	82.7	83.3	83.3	83.3	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2500	83.8	85.4	85.9	86.1	86.9	87.1	87.1	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2000	85.7	87.4	87.9	88.1	89.4	89.7	89.7	89.9	89.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	87.9	89.7	90.1	90.3	91.8	92.1	92.2	92.6	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1500	88.8	90.6	91.0	91.2	92.7	93.0	93.1	93.4	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1200	90.6	91.3	91.9	92.1	93.7	94.0	94.2	94.9	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000	90.1	92.0	92.7	92.9	94.4	94.8	95.0	95.8	95.8	96.6	96.6	96.6	96.6	96.7	96.7	96.7
IV 900	90.8	92.7	93.3	93.6	95.2	95.6	95.8	96.8	96.9	98.3	98.6	98.6	98.6	99.1	99.1	99.1
IV 800	90.8	92.7	93.3	93.6	95.2	95.6	95.8	96.8	96.9	98.3	98.6	98.6	98.6	99.1	99.2	99.2
IV 700	91.0	92.9	93.6	93.8	95.4	95.8	96.0	97.0	97.1	98.6	98.8	98.8	98.8	99.3	99.4	99.4
IV 600	91.0	92.9	93.6	93.8	95.4	95.8	96.0	97.0	97.1	98.6	98.8	98.8	98.8	99.3	99.4	99.4
IV 500	91.0	92.9	93.6	93.8	95.4	95.8	96.0	97.0	97.1	98.6	98.8	98.8	98.8	99.3	99.4	99.4
IV 400	91.0	92.9	93.6	93.8	95.4	95.8	96.0	97.0	97.1	98.6	98.8	98.8	98.8	99.3	99.4	99.4
IV 300	91.0	92.9	93.6	93.8	95.4	95.8	96.0	97.0	97.1	98.6	98.8	98.8	98.8	99.3	99.4	99.4
IV 200	91.0	92.9	93.6	93.8	95.4	95.8	96.0	97.0	97.1	98.6	98.8	98.8	98.8	99.3	99.4	99.4
IV 100	91.0	92.9	93.6	93.8	95.4	95.8	96.0	97.0	97.1	98.6	98.8	98.8	98.8	99.3	99.4	99.4
IV 0	91.0	92.9	93.6	93.8	95.4	95.8	96.0	97.0	97.1	98.6	98.8	98.8	98.8	99.3	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

24210 FORT STIMPSON MET UNIT

57-66

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0800  
GROUPS (L.Y.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	47.9	47.9	47.9	47.9	48.0	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 18000	52.7	52.7	52.7	52.7	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 16000	52.8	52.8	52.8	52.8	52.9	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 14000	53.6	53.6	53.6	53.6	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 12000	54.7	54.7	54.7	54.7	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 10000	59.3	59.4	59.4	59.4	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 9000	62.6	62.6	62.7	62.7	63.1	63.1	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 8000	67.1	67.3	67.4	67.4	67.9	67.9	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 7000	69.7	70.0	70.1	70.2	70.9	70.9	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 6000	70.9	71.2	71.3	71.4	72.1	72.1	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 5000	75.1	75.8	75.9	76.4	77.1	77.1	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	75.2	75.9	76.0	76.7	77.3	77.3	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 4000	77.4	78.6	78.8	79.9	80.7	80.7	81.1	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 3500	79.0	80.9	81.1	82.3	83.3	83.3	83.8	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3000	82.4	83.9	84.1	85.6	86.6	86.7	87.1	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2500	84.8	86.2	86.6	88.0	89.3	89.4	89.9	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2000	86.2	87.7	88.0	89.4	90.9	91.0	91.7	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1800	86.3	87.8	88.1	89.6	91.0	91.1	91.8	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1500	87.1	88.7	89.0	90.4	91.9	92.0	92.7	93.2	93.2	93.4	93.7	93.7	93.8	93.9	93.9	93.9
IV 1200	87.8	89.3	89.7	91.1	92.6	92.7	93.3	93.9	93.9	94.3	94.6	94.6	94.7	94.8	94.8	94.8
IV 1000	89.1	91.1	91.4	93.0	94.7	94.9	95.7	96.2	96.2	97.8	98.1	98.1	98.4	98.6	98.7	98.7
IV 900	91.1	91.1	91.4	93.0	94.8	95.0	95.8	96.3	96.3	97.9	98.2	98.2	98.7	98.8	99.2	99.2
IV 800	91.1	91.1	91.4	93.0	94.8	95.0	95.8	96.3	96.3	97.9	98.2	98.2	98.7	98.8	99.2	99.2
IV 700	91.1	91.1	91.4	93.0	94.8	95.0	95.8	96.3	96.3	97.9	98.2	98.2	98.7	98.8	99.2	99.2
IV 600	91.1	91.1	91.4	93.0	94.8	95.0	95.8	96.3	96.3	97.9	98.2	98.2	98.7	98.8	99.2	99.2
IV 500	91.1	91.1	91.4	93.0	94.8	95.0	95.8	96.3	96.3	97.9	98.2	98.2	98.7	98.8	99.2	99.2
IV 400	91.1	91.1	91.4	93.0	94.8	95.0	95.8	96.3	96.3	97.9	98.2	98.2	98.7	98.8	99.2	99.2
IV 300	91.1	91.1	91.4	93.0	94.8	95.0	95.8	96.3	96.3	97.9	98.2	98.2	98.7	98.8	99.2	99.2
IV 200	91.1	91.1	91.4	93.0	94.8	95.0	95.8	96.3	96.3	97.9	98.2	98.2	98.7	98.8	99.2	99.2
IV 100	91.1	91.1	91.4	93.0	94.8	95.0	95.8	96.3	96.3	97.9	98.2	98.2	98.7	98.8	99.2	99.2
IV 0	91.1	91.1	91.4	93.0	94.8	95.0	95.8	96.3	96.3	97.9	98.2	98.2	98.7	98.8	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 700

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE

# CEILING VERSUS VISIBILITY

4410 FORT SIMPSON, N.D. 58101

27-66

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0005-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3
IV 20000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9
IV 18000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0
IV 16000	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2
IV 14000	60.7	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1
IV 12000	62.1	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6
IV 10000	66.1	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.7	66.7	66.7	66.7	66.7	66.7
IV 9000	68.4	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	69.2	69.4	69.4	69.4	69.4	69.4
IV 8000	71.3	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.7	72.9	72.9	72.9	72.9	72.9
IV 7000	73.0	73.6	73.7	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.9	75.1	75.1	75.1	75.1	75.1
IV 6000	73.3	73.9	74.0	74.1	74.3	74.4	74.4	74.4	74.4	74.4	75.2	75.4	75.4	75.4	75.4	75.4
IV 5000	75.0	76.3	76.6	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.8	78.0	78.0	78.0	78.0	78.0
IV 4500	76.2	77.0	77.3	77.6	77.8	77.9	78.2	78.3	78.3	78.3	78.7	78.9	78.9	78.9	78.9	78.9
IV 4000	78.3	79.2	79.6	79.8	80.2	80.3	80.8	80.9	80.9	81.2	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	81.0	82.0	82.3	82.6	83.0	83.1	83.6	83.7	83.7	84.0	84.3	84.3	84.3	84.3	84.3	84.3
IV 3000	83.1	84.6	84.9	85.3	85.8	85.9	86.4	86.6	86.6	86.8	87.1	87.1	87.1	87.1	87.1	87.1
IV 2500	84.2	85.7	86.2	86.9	87.0	87.7	88.1	88.2	88.2	88.6	88.9	88.9	88.9	88.9	88.9	88.9
IV 2000	86.4	87.9	88.4	89.2	90.0	90.1	90.7	90.9	90.9	91.7	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	88.0	89.2	89.6	89.7	90.7	90.8	91.3	91.6	91.6	92.3	92.7	92.7	92.7	92.7	92.7	92.7
IV 1500	88.4	90.0	90.6	91.4	92.6	92.7	93.3	93.7	93.8	94.7	95.1	95.1	95.1	95.1	95.1	95.1
IV 1200	89.4	91.1	91.7	92.7	93.9	94.0	94.9	95.2	95.3	96.4	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000	90.0	92.3	92.9	93.9	95.3	95.4	96.4	97.0	97.1	98.4	98.9	98.9	99.0	99.0	99.0	99.0
IV 900	90.0	92.3	92.9	93.9	95.3	95.4	96.4	97.0	97.1	98.4	98.9	98.9	99.0	99.0	99.0	99.0
IV 800	90.0	92.3	92.9	93.9	95.3	95.4	96.4	97.0	97.1	98.4	98.9	98.9	99.0	99.0	99.0	99.0
IV 700	90.0	92.3	92.9	93.9	95.3	95.4	96.4	97.0	97.1	98.4	98.9	98.9	99.0	99.0	99.0	99.0
IV 600	90.0	92.3	92.9	93.9	95.3	95.4	96.4	97.0	97.1	98.4	98.9	98.9	99.0	99.0	99.0	99.0
IV 500	90.0	92.3	92.9	93.9	95.3	95.4	96.4	97.0	97.1	98.4	98.9	98.9	99.0	99.0	99.0	99.0
IV 400	90.0	92.3	92.9	93.9	95.3	95.4	96.4	97.0	97.1	98.4	98.9	98.9	99.0	99.0	99.0	99.0
IV 300	90.0	92.3	92.9	93.9	95.3	95.4	96.4	97.0	97.1	98.4	98.9	98.9	99.0	99.0	99.0	99.0
IV 200	90.0	92.3	92.9	93.9	95.3	95.4	96.4	97.0	97.1	98.4	98.9	98.9	99.0	99.0	99.0	99.0
IV 100	90.0	92.3	92.9	93.9	95.3	95.4	96.4	97.0	97.1	98.4	98.9	98.9	99.0	99.0	99.0	99.0
IV 0	90.0	92.3	92.9	93.9	95.3	95.4	96.4	97.0	97.1	98.4	98.9	98.9	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 700



DATA PROCESSING DIVISION  
USAF ETAC  
AIR FORCE ENGINEERING CENTER

## CEILING VERSUS VISIBILITY

STATION NO. 20210 STATION NAME FORT ST. VINCEN

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1100-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 20000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 16000	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 14000	63.1	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 12000	64.7	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 10000	69.1	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 9000	72.6	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 8000	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 7000	76.8	77.0	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	76.7	77.3	77.4	77.6	77.7	77.7	77.8	77.9	77.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2
IV 5000	79.1	79.4	79.9	80.0	80.1	80.1	80.2	80.3	80.3	80.6	80.7	80.7	80.7	80.7	80.7	80.7
IV 4500	79.9	80.7	80.8	80.9	81.0	81.0	81.1	81.2	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	81.9	82.7	82.8	82.9	83.0	83.0	83.2	83.4	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8
IV 3500	83.8	84.7	84.8	84.9	85.0	85.0	85.2	85.4	85.4	85.7	85.8	85.8	85.8	85.8	85.8	85.8
IV 3000	86.4	87.3	87.4	87.6	87.7	87.7	87.9	88.1	88.1	88.4	88.6	88.6	88.6	88.6	88.6	88.6
IV 2500	88.0	89.7	90.0	90.1	90.4	90.4	90.8	91.0	91.0	91.7	91.8	91.8	91.8	91.8	91.8	91.8
IV 2000	91.2	92.3	92.7	92.9	93.2	93.2	93.7	94.0	94.0	94.7	94.8	94.8	94.8	94.8	94.8	94.8
IV 1800	91.4	92.6	92.9	93.1	93.4	93.4	93.9	94.2	94.2	94.9	95.0	95.0	95.0	95.0	95.0	95.0
IV 1600	92.9	94.2	94.6	94.8	95.1	95.1	95.7	96.1	96.1	97.0	97.1	97.1	97.1	97.1	97.1	97.1
IV 1400	93.3	94.8	95.2	95.4	95.9	95.9	96.4	97.1	97.1	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	94.2	95.0	95.3	95.6	96.1	96.1	96.7	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	94.2	95.0	95.3	95.6	96.1	96.1	96.7	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	94.2	95.0	95.3	95.6	96.1	96.1	96.7	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 800	94.2	95.0	95.3	95.6	96.1	96.1	96.7	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 700	94.2	95.0	95.3	95.6	96.1	96.1	96.7	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 600	94.2	95.0	95.3	95.6	96.1	96.1	96.7	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	94.2	95.0	95.3	95.6	96.1	96.1	96.7	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	94.2	95.0	95.3	95.6	96.1	96.1	96.7	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 300	94.2	95.0	95.3	95.6	96.1	96.1	96.7	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	94.2	95.0	95.3	95.6	96.1	96.1	96.7	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 100	94.2	95.0	95.3	95.6	96.1	96.1	96.7	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	94.2	95.0	95.3	95.6	96.1	96.1	96.7	97.3	97.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 200

1  
2DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/NAO

## CEILING VERSUS VISIBILITY

STATION 2421 POINT 1-10-50N 111-10-15W

27-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1-00-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 20000	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 18000	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 16000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 14000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 12000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 10000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 9000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 8000	79.9	79.9	79.9	80.0	80.1	80.1	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 7000	80.7	80.7	80.7	80.8	80.9	80.9	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 6000	81.8	81.8	81.8	81.9	82.0	82.0	82.0	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 5000	82.6	82.8	82.8	82.9	83.0	83.0	83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4500	83.2	83.2	83.2	83.3	83.4	83.4	83.4	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4000	86.6	86.6	86.7	86.8	86.9	86.9	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 3500	88.4	88.6	88.7	88.9	89.0	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 3000	90.6	91.1	91.2	91.4	91.6	91.6	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 2500	92.0	92.4	92.7	92.9	93.0	93.0	93.0	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2000	93.9	94.4	94.7	94.9	95.1	95.2	95.4	95.7	95.7	96.0	96.4	96.4	96.4	96.4	96.4	96.4
IV 1800	93.9	94.4	94.7	94.9	95.1	95.2	95.4	95.7	95.7	96.0	96.4	96.4	96.4	96.4	96.4	96.4
IV 1500	94.3	95.0	95.3	95.6	95.8	95.9	96.2	96.4	96.4	96.8	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	94.8	95.4	95.8	96.0	96.2	96.3	96.7	96.9	96.9	97.3	97.9	97.9	97.9	97.9	97.9	97.9
IV 1000	95.2	95.6	96.4	96.7	96.9	97.0	97.3	97.7	97.7	98.2	99.0	99.0	99.4	99.4	99.4	99.4
IV 900	95.3	96.2	96.7	96.9	97.1	97.2	97.6	97.9	97.9	98.4	99.2	99.2	99.7	99.7	99.7	99.7
IV 800	95.3	96.2	96.7	96.9	97.1	97.2	97.6	97.9	97.9	98.4	99.2	99.2	99.8	99.8	99.8	99.8
IV 700	95.3	96.2	96.7	96.9	97.2	97.3	97.7	98.0	98.0	98.6	99.3	99.3	99.9	99.9	99.9	99.9
IV 600	95.3	96.2	96.7	96.9	97.2	97.3	97.7	98.0	98.0	98.6	99.3	99.3	99.9	99.9	99.9	99.9
IV 500	95.3	96.2	96.7	96.9	97.2	97.3	97.7	98.0	98.0	98.6	99.3	99.3	100.0	100.0	100.0	100.0
IV 400	95.3	96.2	96.7	96.9	97.2	97.3	97.7	98.0	98.0	98.6	99.3	99.3	100.0	100.0	100.0	100.0
IV 300	95.3	96.2	96.7	96.9	97.2	97.3	97.7	98.0	98.0	98.6	99.3	99.3	100.0	100.0	100.0	100.0
IV 200	95.3	96.2	96.7	96.9	97.2	97.3	97.7	98.0	98.0	98.6	99.3	99.3	100.0	100.0	100.0	100.0
IV 100	95.3	96.2	96.7	96.9	97.2	97.3	97.7	98.0	98.0	98.6	99.3	99.3	100.0	100.0	100.0	100.0
IV 0	95.3	96.2	96.7	96.9	97.2	97.3	97.7	98.0	98.0	98.6	99.3	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL 1) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2021-7 FORT STIMPSON DIST 001  
STATION

57-66

YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1-00-2000  
DATA

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING IV 20000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 18000 16000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000 12000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 10000 9000	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 8000 7000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 6000 5000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4500 4000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 3500 3000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2500 2000	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1800 1500	87.7	87.8	87.8	87.8	87.9	87.9	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 1200 1000	89.0	89.9	89.9	89.9	90.1	90.1	90.1	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 900 800	91.1	91.7	92.0	92.0	92.2	92.2	92.4	92.7	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 700 600	92.6	93.1	93.9	93.9	94.3	94.3	94.8	95.0	95.0	95.8	95.9	95.9	95.9	95.9	95.9	95.9
IV 500 400	92.7	93.4	94.2	94.2	94.7	94.7	95.4	95.6	95.6	96.4	96.6	96.6	96.6	96.6	96.6	96.6
IV 300 200	93.0	93.8	94.6	94.7	95.1	95.1	95.8	96.0	96.0	96.9	97.2	97.2	97.2	97.2	97.2	97.2
IV 100 0	93.2	94.2	95.1	95.2	95.8	95.8	96.4	96.7	96.8	98.4	99.0	99.0	99.2	99.2	99.2	99.2
IV 0	93.2	94.2	95.1	95.2	95.8	95.8	96.4	96.7	96.8	98.4	99.0	99.0	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 200

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

20210 1001 STAPSON MNT HHT  
STATION NAME

57-66

YEARS

P. 1  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100 2100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 16000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 14000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 12000	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 10000	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 9000	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 8000	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 7000	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 6000	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 5000	79.0	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 4500	80.8	81.2	81.2	81.3	81.3	81.3	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	84.0	84.7	84.8	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	84.7	85.4	85.6	85.9	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000	87.4	88.4	88.6	88.9	88.9	88.9	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2500	88.8	89.9	90.2	90.6	90.9	90.9	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2000	91.0	92.7	93.1	93.4	94.1	94.1	94.6	94.6	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9
IV 1800	91.8	92.9	93.3	93.7	94.4	94.4	95.0	95.0	95.0	95.1	95.3	95.3	95.3	95.3	95.3	95.3
IV 1500	92.7	93.9	94.6	94.9	95.7	95.7	96.2	96.3	96.3	96.4	96.9	96.9	96.9	96.9	96.9	96.9
IV 1200	93.4	94.7	95.4	95.8	96.6	96.6	97.1	97.2	97.2	97.6	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	93.7	95.0	95.8	96.1	96.9	96.9	97.4	97.6	97.6	98.7	99.2	99.2	99.2	99.4	99.4	99.4
IV 900	93.7	95.0	95.8	96.1	96.9	96.9	97.4	97.6	97.6	98.8	99.3	99.3	99.3	99.9	99.9	99.9
IV 800	93.7	95.0	95.8	96.1	96.9	96.9	97.4	97.6	97.6	98.8	99.4	99.4	99.4	100.0	100.0	100.0
IV 700	93.7	95.0	95.8	96.1	96.9	96.9	97.4	97.7	97.7	98.8	99.4	99.4	99.4	100.0	100.0	100.0
IV 600	93.7	95.0	95.8	96.1	96.9	96.9	97.4	97.7	97.7	98.8	99.4	99.4	99.4	100.0	100.0	100.0
IV 500	93.7	95.0	95.8	96.1	96.9	96.9	97.4	97.7	97.7	98.8	99.4	99.4	99.4	100.0	100.0	100.0
IV 400	93.7	95.0	95.8	96.1	96.9	96.9	97.4	97.7	97.7	98.8	99.4	99.4	99.4	100.0	100.0	100.0
IV 300	93.7	95.0	95.8	96.1	96.9	96.9	97.4	97.7	97.7	98.8	99.4	99.4	99.4	100.0	100.0	100.0
IV 200	93.7	95.0	95.8	96.1	96.9	96.9	97.4	97.7	97.7	98.8	99.4	99.4	99.4	100.0	100.0	100.0
IV 100	93.7	95.0	95.8	96.1	96.9	96.9	97.4	97.7	97.7	98.8	99.4	99.4	99.4	100.0	100.0	100.0
IV 0	93.7	95.0	95.8	96.1	96.9	96.9	97.4	97.7	97.7	98.8	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 940

DATA PROCESSING DIVISION  
USAF ETAC  
AIR CENTER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2421 - EAST STATION DUTY UNIT

57-66

YEARS

AY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0800-0200

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	55.0	55.0	55.0	55.0
≥ 20000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.5
18000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.5
16000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.5
14000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.7	59.7	59.7	59.7
12000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.9	60.9	60.9	60.9
10000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3
9000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.6	66.6	66.6	66.6
8000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2
7000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5
6000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0
5000	81.7	81.7	81.7	81.7	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.1	82.1	82.1	82.1
4500	83.3	83.3	83.3	83.3	83.4	83.4	83.5	83.5	83.5	83.6	83.6	83.6	83.7	83.7	83.7	83.7
4000	88.7	88.7	88.7	88.7	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1
3500	89.5	89.6	89.7	89.7	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2
3000	93.9	93.9	94.0	94.0	94.1	94.1	94.4	94.4	94.4	94.5	94.6	94.6	94.7	94.7	94.7	94.7
2500	93.8	94.5	94.6	94.6	94.8	94.8	95.3	95.3	95.3	95.5	95.7	95.7	95.8	95.8	95.8	95.8
2000	94.6	95.5	95.7	95.7	95.9	95.9	96.4	96.4	96.4	96.6	96.7	96.7	96.9	96.9	96.9	96.9
1800	95.2	96.2	96.3	96.3	96.5	96.5	97.1	97.1	97.1	97.4	97.6	97.7	97.7	97.8	97.8	97.8
1600	95.3	96.6	96.7	96.7	97.0	97.0	97.5	97.5	97.7	97.8	98.0	98.2	98.2	98.3	98.3	98.3
1400	96.0	97.5	97.6	97.7	97.9	97.9	98.5	98.7	98.8	99.2	99.5	99.5	99.6	99.6	99.6	99.6
1200	96.2	97.7	97.8	97.9	98.2	98.2	98.7	98.9	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8
1000	96.3	97.8	97.9	98.0	98.3	98.3	98.8	99.0	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9
900	96.3	97.9	98.0	98.2	98.4	98.4	98.9	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
800	96.3	97.9	98.0	98.2	98.4	98.4	98.9	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
700	96.3	97.9	98.0	98.2	98.4	98.4	98.9	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
600	96.3	97.9	98.0	98.2	98.4	98.4	98.9	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
500	96.3	97.9	98.0	98.2	98.4	98.4	98.9	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
400	96.3	97.9	98.0	98.2	98.4	98.4	98.9	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
300	96.3	97.9	98.0	98.2	98.4	98.4	98.9	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
200	96.3	97.9	98.0	98.2	98.4	98.4	98.9	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
100	96.3	97.9	98.0	98.2	98.4	98.4	98.9	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
0	96.3	97.9	98.0	98.2	98.4	98.4	98.9	99.1	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

20210 FORT SIMPSON NWT DUT

57-66

YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0100-0500

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IN 20000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IN 18000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IN 16000	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IN 14000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IN 12000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IN 10000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IN 9000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IN 8000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IN 7000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IN 6000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IN 5000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IN 4500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IN 4000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IN 3500	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IN 3000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IN 2500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IN 2000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IN 1800	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IN 1500	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IN 1200	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IN 1000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IN 900	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IN 800	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IN 700	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IN 600	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IN 500	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IN 400	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IN 300	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IN 200	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IN 100	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IN 0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 922

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

STATION 26110 PORT STANLEY NWT DIST

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0-00-0000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.6	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 18000	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 16000	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 14000	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 12000	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 10000	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 9000	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 8000	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 7000	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 6000	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 5000	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4500	80.8	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3500	87.4	87.4	87.7	87.7	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 3000	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	91.5	91.9	92.1	92.3	92.3	92.3	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2000	93.9	94.5	94.8	95.0	95.1	95.1	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1800	93.9	94.5	94.8	95.0	95.1	95.1	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1500	95.1	95.8	96.1	96.5	96.6	96.6	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200	95.2	95.9	96.2	96.6	96.8	96.8	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	97.2	97.8	98.2	98.6	98.7	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	97.4	98.1	98.4	98.8	98.9	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	97.5	98.2	98.5	98.9	99.0	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	97.8	98.8	98.8	99.2	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.9	98.6	98.9	99.4	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.9	98.6	98.9	99.4	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.9	98.6	98.9	99.4	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.9	98.6	98.9	99.4	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.9	98.6	98.9	99.4	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.9	98.6	98.9	99.4	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.9	98.6	98.9	99.4	99.5	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 924

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

20210 FORT SIMPSON N.T. DIST. STATION NAME

97-66

YEARS

DAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0400-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 18000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 16000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 14000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 12000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 10000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 9000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 8000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 7000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 6000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 5000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4500	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 4000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 3500	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3000	89.0	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 2500	90.2	90.5	90.7	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 2000	92.4	93.4	93.6	93.7	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800	92.5	93.5	93.7	93.8	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500	94.2	95.2	95.5	95.7	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200	94.4	95.6	95.8	96.0	96.3	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000	96.0	97.3	97.7	97.9	98.3	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900	96.3	97.6	98.1	98.3	98.6	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	96.4	97.7	98.2	98.4	98.7	98.8	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	96.8	98.1	98.5	98.7	99.0	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	96.9	98.2	98.6	98.8	99.1	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	96.9	98.2	98.6	98.8	99.1	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	96.9	98.2	98.6	98.8	99.1	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	96.9	98.2	98.6	98.8	99.1	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	96.9	98.2	98.6	98.8	99.1	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	96.9	98.2	98.6	98.8	99.1	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	96.9	98.2	98.6	98.8	99.1	99.2	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 926



2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

## CEILING VERSUS VISIBILITY

24210 FIRST STATION IN WET DIST

37-46

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ ⅓	≥ ⅓	≥ 0
NO CEILING	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 20000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 18000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 16000	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 14000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 12000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 10000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 9000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 8000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 7000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 6000	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 5000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4500	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3500	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 2500	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 2000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1600	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1400	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 700	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 500	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 400	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 300	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 200	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 100	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 923

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26210 STATION NAME FLET STIMPSON NWT DUT

57-66

YEARS

DAY MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 18000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 16000	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 14000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 12000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 9000	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 8000	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 7000	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 5000	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4500	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 4000	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 3500	90.0	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 3000	93.1	93.5	93.6	93.7	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 2500	94.2	94.6	94.7	94.8	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 2000	95.5	96.0	96.1	96.2	96.2	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5
IV 1800	95.5	96.0	96.1	96.2	96.2	96.3	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1500	96.1	96.7	96.8	96.9	96.9	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	96.4	97.0	97.1	97.2	97.2	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1000	97.8	98.4	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	97.8	98.4	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	98.0	98.5	98.6	98.7	98.7	98.8	98.8	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IV 700	98.1	98.6	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	98.4	98.9	99.0	99.1	99.2	99.4	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	98.4	98.9	99.0	99.1	99.2	99.4	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	98.4	98.9	99.0	99.1	99.2	99.4	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	98.4	98.9	99.0	99.1	99.2	99.4	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	98.4	98.9	99.0	99.1	99.2	99.4	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	98.4	98.9	99.0	99.1	99.2	99.4	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	98.4	98.9	99.0	99.1	99.2	99.4	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

927

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

24211-1 FORT STIMPSON NMCT, CALIF

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1-000-1000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 18000 IV 16000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 14000 IV 12000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 10000 IV 9000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 8000 IV 7000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 6000 IV 5000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4500 IV 4000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3500 IV 3000	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500 IV 2000	95.9	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1800 IV 1500	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200 IV 1000	96.5	96.9	96.9	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900 IV 800	97.7	98.1	98.1	98.1	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700 IV 600	98.1	98.4	98.4	98.4	98.5	98.5	98.7	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0
IV 500 IV 400	98.3	98.6	98.6	98.6	98.7	98.7	98.9	99.2	99.2	99.2	99.6	99.6	99.7	99.7	99.7	99.7
IV 300 IV 200	98.3	98.6	98.6	98.6	98.7	98.7	98.9	99.2	99.2	99.2	99.6	99.6	99.7	99.9	99.9	100.0
IV 100 IV 0	98.3	98.6	98.6	98.6	98.7	98.7	98.9	99.2	99.2	99.2	99.6	99.6	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 327

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAO

# CEILING VERSUS VISIBILITY

STATION 20210 POINT STIMPSON NO. 1 UNIT  
STATION NAME

57-66

YEARS

AY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7106-2700  
DATE

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 12000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 9000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 8000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 7000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 6000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3500	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2500	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1200	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 100	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 923

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26210 FLY STATION NAME UNIT

57-66

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.2	53.2	53.2	53.3	53.3	53.3	53.2
≥ 20000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.6	57.6	57.6	57.7	57.7	57.7	57.7
IV 18000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.7	57.7	57.7	57.8	57.8	57.8	57.8
IV 16000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.1
IV 14000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.6	58.6	58.6	58.7	58.7	58.7	58.7
IV 12000	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.8	59.8	59.8	59.9	59.9	59.9	59.9
IV 10000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.1	63.1	63.1	63.2	63.2	63.2	63.2
IV 9000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.0
IV 8000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.9	70.9	70.9	71.0	71.0	71.0	71.0
IV 7000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.6	73.6	73.6	73.7	73.7	73.7	73.7
IV 6000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.8	75.8	75.8	75.9	75.9	75.9	75.9
IV 5000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.3	82.3	82.3	82.4	82.4	82.4	82.4
IV 4500	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.4	83.4	83.4	83.6	83.6	83.6	83.6
IV 4000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.1	91.1	91.1	91.2	91.2	91.2	91.2
IV 3500	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.3	92.3	92.3	92.4	92.4	92.4	92.4
IV 3000	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.8	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1
IV 2500	93.6	93.7	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.2	94.2	94.2	94.3	94.3	94.3	94.3
IV 2000	94.3	94.6	94.7	94.8	94.9	94.9	95.0	95.0	95.0	95.2	95.2	95.2	95.3	95.3	95.3	95.3
IV 1800	94.3	94.6	94.7	94.8	94.9	94.9	95.0	95.0	95.0	95.2	95.2	95.2	95.3	95.3	95.3	95.3
IV 1500	95.0	95.1	95.2	95.3	95.4	95.4	95.6	95.6	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9
IV 1200	96.1	96.4	96.6	96.7	96.8	96.8	96.9	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2
IV 1000	96.4	97.6	97.7	97.8	98.0	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4
IV 900	96.4	97.6	97.7	97.8	98.0	98.0	98.1	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4
IV 800	97.0	97.7	97.8	97.9	98.1	98.1	98.2	98.2	98.2	98.4	98.4	98.4	98.6	98.6	98.6	98.6
IV 700	97.1	97.8	97.9	98.0	98.2	98.2	98.4	98.4	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8
IV 600	97.4	98.1	98.2	98.3	98.5	98.5	98.8	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1
IV 500	97.7	98.4	98.5	98.6	98.9	98.9	99.2	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8
IV 400	97.7	98.4	98.5	98.6	98.9	98.9	99.2	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8
IV 300	97.7	98.4	98.5	98.6	98.9	98.9	99.2	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8
IV 200	97.7	98.4	98.5	98.6	98.9	98.9	99.2	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8
IV 100	97.7	98.4	98.5	98.6	98.9	98.9	99.2	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8
IV 0	97.7	98.4	98.5	98.6	98.9	98.9	99.2	99.2	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

1  
2

DATA PROCESSING DIVISION  
SAFETY  
THE DATA FILE STOP/NO

# CEILING VERSUS VISIBILITY

STATION 27-46 MONTH 0106-0109  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 2000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 18000 IV 16000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 14000 IV 12000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 10000 IV 9000	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 8000 IV 7000	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000 IV 5000	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500 IV 4000	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3500 IV 3000	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 2500 IV 2000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1800 IV 1500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200 IV 1000	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900 IV 800	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 700 IV 600	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 500 IV 400	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 300 IV 200	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 100 IV 0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 930

AD-A100 250

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/6 4/2  
FORT SIMPSON, NORTHWEST TERRITORIES, CANADA. REVISED UNIFORM SU--ETC(11)  
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UNCLASSIFIED

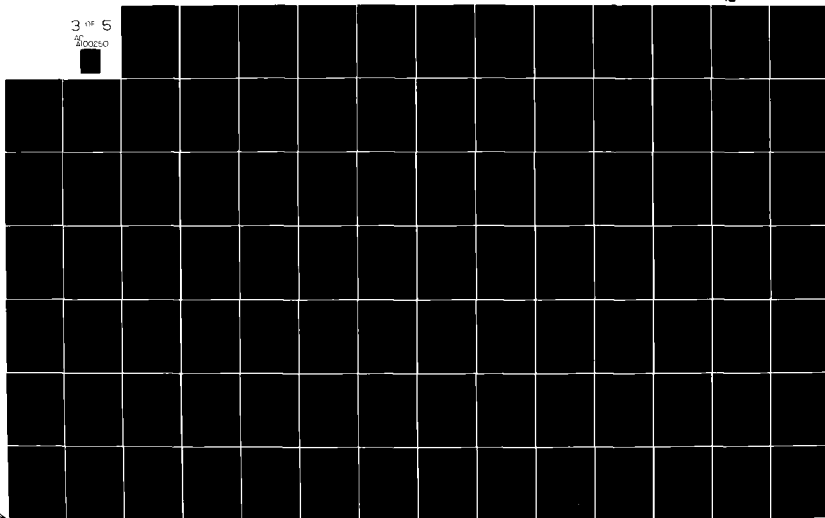
USAFETAC/DS-81/045

581E-AD-E850 073

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3 of 5

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

## CEILING VERSUS VISIBILITY

26210 FORT STIMPSON INVT DUTY

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0-00-0000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 20000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 18000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 16000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 14000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 10000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 9000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 7000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 6000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 5000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4500	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4000	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 3500	88.4	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3000	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 2500	92.0	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2000	93.7	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800	93.7	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1500	93.7	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1200	96.2	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1000	97.7	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	97.7	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	98.2	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	98.3	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 600	98.6	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	98.6	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

24210 PORT STANLEY AFB, ALA

57-66

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0006-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 18000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 16000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 14000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 12000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 10000	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 9000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 8000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 7000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 6000	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 5000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 4500	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3500	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 1800	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1500	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1200	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/IAC

# CEILING VERSUS VISIBILITY

26210 STATION NAME

PART SIMPSON MOUNT

57-66

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 20000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 18000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 16000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 14000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 12000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 10000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 9000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 8000	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 7000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 6000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 5000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 3500	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 3000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 2500	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 2000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 1800	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 1500	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 1200	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 1000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 900	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 800	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 700	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 600	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 500	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 400	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 300	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 200	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 100	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 0	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

26210 PART 1 STATION NAME

57-66

YEARS

1960-1969

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1960-1969

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 18000	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 16000	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 14000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 12000	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 10000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 9000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 8000	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 7000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 6000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 5000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4500	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3500	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 3000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2000	95.4	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1500	96.9	96.9	96.9	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1200	97.0	97.0	97.0	97.4	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	97.4	97.4	97.4	98.2	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	97.9	97.9	97.9	98.3	98.3	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 800	97.9	97.9	97.9	98.3	98.3	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	98.1	98.1	98.1	98.6	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	98.1	98.1	98.1	98.6	98.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	98.1	98.1	98.1	98.6	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400	98.1	98.1	98.1	98.6	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	98.1	98.1	98.1	98.6	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	98.1	98.1	98.1	98.6	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	98.1	98.1	98.1	98.6	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 0	98.1	98.1	98.1	98.6	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

24210 STATION NAME FORT STIMPSON NWT DIST

57-66

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-000-2000  
WIND (KTS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 20000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 18000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 16000	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 14000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 12000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 10000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 9000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 8000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 7000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 6000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 5000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 4500	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 3500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 3000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 2000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1800	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1200	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 700	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 400	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 300	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 200	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 100	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

66210 FIRST STAIRS IN NEXT UNIT

57-66

YEARS

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 18000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 12000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 9000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 8000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 5000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4500	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2500	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 900

1  
2DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

26210 FIRST SIMPSON NEW UNIT

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-9300

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	52.5	52.8	52.8	52.9	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 18000	55.3	55.6	55.6	55.7	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 16000	55.3	55.6	55.6	55.7	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 14000	56.0	56.3	56.3	56.5	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 12000	57.5	57.8	57.8	58.0	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 10000	60.5	60.9	60.9	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 9000	63.8	64.1	64.1	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 8000	69.7	70.0	70.0	70.1	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 7000	71.2	71.5	71.5	71.6	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 6000	72.9	72.8	72.8	72.9	72.9	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 5000	80.3	80.6	80.6	80.8	80.8	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4500	81.1	81.4	81.4	81.5	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 4000	86.5	86.8	86.8	86.9	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3500	87.1	87.4	87.4	87.5	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3000	90.3	90.6	90.6	90.8	90.8	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 2500	90.9	91.2	91.2	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2000	92.9	93.4	93.4	93.5	93.5	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1800	93.1	93.7	93.7	93.8	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1500	93.8	94.3	94.3	94.6	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1200	94.6	95.3	95.3	95.6	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1000	95.5	96.6	96.6	96.9	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900	95.8	97.0	97.3	97.4	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	96.0	97.2	97.5	97.6	98.1	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	96.2	97.5	97.8	98.0	98.5	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	96.2	97.6	98.0	98.2	98.7	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	96.2	97.6	98.0	98.2	98.7	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	96.3	97.7	98.1	98.3	98.8	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	96.3	97.7	98.1	98.3	98.8	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	96.3	97.7	98.1	98.3	98.8	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	96.3	97.7	98.1	98.3	98.8	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	96.3	97.7	98.1	98.3	98.8	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26210 FULT STIMPSON MIL DTIC

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (L.P.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	51.15	52.2	52.2	52.4	52.5	52.5	52.9	52.9	52.9	52.9	52.9	52.9	53.2	53.2	53.3	53.3
≥ 20000	55.2	55.3	55.3	55.7	55.8	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.6	56.6	56.7	56.7
IV 18000	55.2	55.3	55.3	55.7	55.8	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.6	56.6	56.7	56.7
IV 16000	55.2	55.3	55.3	55.7	55.8	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.6	56.6	56.7	56.7
IV 14000	55.8	56.1	56.1	56.3	56.5	56.5	56.9	56.9	56.9	56.9	56.9	56.9	57.2	57.2	57.3	57.3
IV 12000	58.7	59.0	59.0	59.2	59.4	59.4	59.8	59.8	59.8	59.8	59.8	59.8	60.1	60.1	60.2	60.2
IV 10000	61.8	62.2	62.2	62.4	62.5	62.5	62.9	62.9	62.9	62.9	62.9	62.9	63.2	63.2	63.3	63.3
IV 9000	65.4	65.7	65.7	65.9	66.0	66.0	66.5	66.5	66.5	66.5	66.5	66.5	66.8	66.8	66.9	66.9
IV 8000	72.5	72.8	72.9	73.1	73.3	73.3	73.8	73.8	73.8	73.8	73.8	73.8	74.1	74.1	74.2	74.2
IV 7000	74.1	74.4	74.5	74.7	74.9	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.7	75.7	75.8	75.8
IV 6000	74.7	75.1	75.2	75.4	75.6	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.3	76.3	76.5	76.5
IV 5000	80.8	80.8	80.9	81.1	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	82.0	82.0	82.2	82.2
IV 4500	81.1	81.4	81.5	81.7	81.9	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.7	82.7	82.8	82.8
IV 4000	85.7	86.0	86.1	86.3	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.4	87.5	87.5
IV 3500	86.3	86.7	86.8	87.0	87.2	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.7	88.1	88.2	88.2
IV 3000	87.8	88.2	88.3	88.5	88.7	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.6	89.7	89.7
IV 2500	88.2	88.5	88.6	88.8	89.0	89.0	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.9	89.9	90.0
IV 2000	89.5	89.9	90.0	90.2	90.4	90.4	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.3	91.4	91.4
IV 1800	89.6	90.0	90.1	90.3	90.5	90.5	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.4	91.5	91.5
IV 1500	90.5	91.0	91.1	91.3	91.6	91.6	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.5	92.6	92.6
IV 1200	91.2	91.6	91.8	92.0	92.4	92.4	92.8	92.8	92.8	92.8	92.8	92.9	92.9	93.2	93.3	93.3
IV 1000	92.7	93.1	93.3	93.9	94.2	94.2	94.7	94.8	94.8	94.8	94.8	94.9	94.9	95.3	95.4	95.4
IV 900	93.0	93.8	94.0	94.5	94.8	94.8	95.4	95.5	95.5	95.5	95.5	95.6	95.6	95.9	96.0	96.0
IV 800	94.1	94.9	95.2	95.7	96.0	96.0	96.7	96.8	96.8	96.8	96.8	96.9	96.9	97.2	97.3	97.3
IV 700	94.3	95.2	95.5	96.0	96.3	96.3	97.0	97.1	97.1	97.1	97.1	97.2	97.2	97.5	97.6	97.6
IV 600	94.5	95.4	95.7	96.2	96.6	96.6	97.3	97.4	97.4	97.4	97.4	97.5	97.5	97.8	98.0	98.0
IV 500	94.9	95.8	96.1	96.7	97.0	97.0	97.7	97.8	97.8	97.8	97.8	98.0	98.0	98.3	98.4	98.4
IV 400	95.1	95.9	96.2	96.8	97.1	97.1	98.0	98.1	98.1	98.1	98.1	98.2	98.2	98.5	98.6	98.6
IV 300	95.3	96.1	96.5	97.0	97.3	97.3	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.7	98.8	98.8
IV 200	95.4	96.2	96.8	97.3	97.6	97.6	98.5	98.6	98.6	98.6	98.6	98.7	98.7	99.2	99.4	99.4
IV 100	95.4	96.2	96.8	97.3	97.6	97.6	98.5	98.6	98.6	98.6	98.6	98.7	98.7	99.2	99.4	99.4
IV 0	95.4	96.2	96.8	97.3	97.6	97.6	98.5	98.6	98.6	98.6	98.6	98.7	98.7	99.2	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

24210 STATION NAME  
FORT SIMPSON NWT LT

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0400-0400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.5	52.0	52.3	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.9
≥ 20000	56.7	57.2	57.4	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.1
IV 18000	56.8	57.3	57.5	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.2
IV 16000	56.9	57.4	57.6	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.3
IV 14000	57.2	57.7	58.0	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.6
IV 12000	60.3	61.0	61.2	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.8
IV 10000	63.2	63.9	64.1	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.7
IV 9000	66.9	67.5	67.7	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.4
IV 8000	71.5	72.2	72.4	72.5	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	73.0
IV 7000	73.0	73.7	73.9	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.5
IV 6000	74.2	74.8	75.1	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.7
IV 5000	79.0	79.7	80.0	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.6
IV 4500	79.2	79.9	80.2	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.9	80.9	81.0
IV 4000	84.4	85.1	85.4	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.0	86.0	86.2
IV 3500	85.2	85.8	86.1	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.9	86.9	87.0
IV 3000	86.9	87.5	87.8	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.6	88.6	88.7
IV 2500	88.0	88.6	88.9	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7	89.7	89.8
IV 2000	90.1	90.9	91.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.2
IV 1800	90.1	90.9	91.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	92.0	92.0	92.2
IV 1500	91.3	92.0	92.6	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.9	93.9	94.0
IV 1200	91.5	92.5	93.1	93.2	93.9	93.9	94.1	94.1	94.1	94.3	94.3	94.3	94.3	94.4	94.4	94.5
IV 1000	92.8	94.0	94.9	95.1	95.7	95.7	96.0	96.5	96.5	96.7	96.7	96.7	96.7	96.8	96.8	96.9
IV 900	92.9	94.3	95.3	95.4	96.0	96.0	96.5	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.3	97.3
IV 800	93.9	95.3	96.2	96.3	97.0	97.0	97.4	97.8	97.8	98.1	98.1	98.1	98.2	98.2	98.3	98.3
IV 700	94.1	95.6	96.6	96.7	97.3	97.3	97.7	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.6	98.6
IV 600	94.1	95.6	96.6	96.7	97.3	97.3	97.7	98.2	98.2	98.4	98.4	98.4	98.5	98.5	98.6	98.6
IV 500	94.4	96.0	97.0	97.1	97.7	97.7	98.2	98.6	98.6	98.8	98.8	98.8	98.9	98.9	99.0	99.0
IV 400	94.4	96.1	97.1	97.2	97.8	97.8	98.4	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.2	99.2
IV 300	94.5	96.2	97.2	97.3	98.0	98.0	98.5	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.4	99.4
IV 200	94.6	96.3	97.3	97.4	98.1	98.1	98.7	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.7	99.7
IV 100	94.6	96.3	97.3	97.4	98.1	98.1	98.7	99.1	99.1	99.6	99.6	99.6	99.7	99.7	99.8	99.8
IV 0	94.6	96.3	97.3	97.4	98.1	98.1	98.7	99.1	99.1	99.6	99.6	99.6	99.7	99.7	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

24210-1 FORT SIMPSON T UNIT

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.4	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	58.8	59.7	59.7	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 18000	59.0	59.9	59.9	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 16000	59.1	60.0	60.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 14000	59.9	60.8	60.8	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 12000	62.7	63.5	63.5	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 10000	68.2	69.0	69.0	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 9000	72.6	73.4	73.4	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 8000	75.9	76.6	76.6	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 7000	76.3	77.2	77.2	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 6000	76.7	77.5	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 5000	79.1	80.0	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4500	79.4	80.2	80.2	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4000	82.5	83.3	83.3	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3500	83.3	84.4	84.4	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3000	85.3	86.3	86.3	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2500	87.0	88.1	88.1	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 2000	89.2	90.4	90.4	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	89.5	90.6	90.6	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1500	91.2	92.4	92.5	93.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1200	92.3	93.7	93.8	94.4	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1000	94.3	96.0	96.1	97.1	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	94.6	96.1	96.2	97.2	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	95.1	96.7	96.8	97.7	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700	95.1	96.6	96.9	98.0	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	95.3	97.0	97.1	98.3	98.8	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	95.4	97.2	97.3	98.5	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	95.5	97.3	97.4	98.6	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	95.5	97.3	97.4	98.6	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	95.5	97.3	97.4	98.6	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	95.5	97.3	97.4	98.6	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	95.5	97.3	97.4	98.6	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

STATION NAME STATION NUMBER

STATION NUMBER

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	59.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 18000	58.8	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 16000	58.8	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 14000	59.6	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 12000	60.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 10000	65.8	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	69.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000	71.5	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 7000	71.9	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 6000	74.5	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 5000	78.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 4500	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4000	83.2	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3500	84.7	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3000	88.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	90.9	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000	93.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1800	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1500	94.8	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	95.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	96.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	96.9	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	96.9	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	97.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	97.2	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	97.2	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	97.2	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	97.2	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.2	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.2	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.2	98.9	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 6210 ENET SINDIA MAT UNIT STATION NAME

57-66 YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-00-1700  
3000 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 25000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 18000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 16000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 14000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 10000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 9000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 8000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 7000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 6000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 5000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4500	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 4000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2500	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 2000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1800	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 942

DATA PROCESSING DIVISION  
SAF ETAC  
AID RELATED REPORT/PAC

# CEILING VERSUS VISIBILITY

20210 STATION NAME: MT. MITCHELL

57-66

YEARS

DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000000000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 20000	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 18000	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 16000	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 14000	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 12000	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 10000	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 9000	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 8000	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 7000	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 6000	79.7	79.9	79.9	79.9	80.0	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 5000	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 4500	86.8	87.0	87.0	87.0	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 4000	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 3500	90.0	90.6	90.6	90.6	90.6	90.6	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 3000	93.4	94.1	94.1	94.1	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 2500	94.7	95.4	95.4	95.4	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2000	95.9	96.6	96.6	96.6	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800	95.9	96.6	96.6	96.6	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1500	96.2	96.9	96.9	96.9	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1200	96.7	97.4	97.4	97.4	97.5	97.5	97.5	97.8	97.8	97.8	98.2	98.3	98.3	98.3	98.3	98.3
IV 1000	96.7	97.4	97.4	97.4	97.6	97.6	97.6	98.0	98.0	98.0	98.3	98.6	98.6	98.6	98.6	98.6
IV 900	97.1	98.2	98.2	98.2	98.4	98.4	98.4	98.7	98.7	98.7	99.2	99.4	99.4	99.4	99.4	99.4
IV 800	97.1	98.4	98.4	98.4	98.5	98.5	98.5	99.0	99.0	99.0	99.6	99.7	99.7	99.7	99.7	99.7
IV 700	97.1	98.4	98.4	98.4	98.5	98.5	98.5	99.0	99.0	99.0	99.6	99.7	99.7	99.7	99.7	99.7
IV 600	97.2	98.7	98.7	98.7	98.8	98.8	98.8	99.4	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0
IV 500	97.2	98.7	98.7	98.7	98.8	98.8	98.8	99.4	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0
IV 400	97.2	98.7	98.7	98.7	98.8	98.8	98.8	99.4	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0
IV 300	97.2	98.7	98.7	98.7	98.8	98.8	98.8	99.4	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	97.2	98.7	98.7	98.7	98.8	98.8	98.8	99.4	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	97.2	98.7	98.7	98.7	98.8	98.8	98.8	99.4	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	97.2	98.7	98.7	98.7	98.8	98.8	98.8	99.4	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

20210 FIRST STATION NAME UNIT

57-66

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2200

CEILING FEET	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING ≥ 25000	3.1	53.1	53.1	53.1	53.1	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 18000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 16000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 14000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 12000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 10000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 9000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 8000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 7000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 6000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 5000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4500	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 3500	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 3000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 2500	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 2000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1800	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1500	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1200	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 1000	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 900	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 800	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 700	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 600	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 500	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 400	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 300	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 200	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 100	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 0	7.1	58.1	58.1	58.1	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26210 FIRST STATION INVT OUT

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .8	≥ .5	≥ .5	≥ .5	≥ 0
≥ 20000	60.7	60.5	60.8	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.4	61.4	61.5
18000	61.7	61.8	62.0	62.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.7	62.7	62.8
16000	61.7	61.8	62.0	62.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.7	62.7	62.8
14000	61.9	62.0	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.9	62.9	63.0
12000	62.7	62.8	63.0	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6	63.6	63.7
10000	66.9	67.0	67.2	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.8	67.8	68.0
9000	66.7	66.8	67.0	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.8
8000	71.0	71.1	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.9	71.9	72.0
7000	72.4	72.5	72.7	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.3	73.4
6000	79.5	79.7	79.9	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.5	80.6
5000	84.9	85.2	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.0	86.0	86.1
4500	86.0	86.2	86.5	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.1	87.1	87.2
4000	89.2	89.5	89.8	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.4	90.4	90.5
3500	90.8	90.9	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7	91.7	91.8
3000	91.3	91.6	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.5	92.5	92.6
2500	92.7	93.0	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.9	93.9	94.0
2000	93.4	93.7	94.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.7
1800	94.1	94.4	94.7	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.4
1500	95.1	95.4	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.3	96.3	96.4
1200	96.0	96.3	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.3	97.3	97.4
1000	96.8	97.1	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.2
900	96.9	97.2	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.2	98.2	98.3
800	97.0	97.3	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.4
700	97.1	97.4	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.5
600	97.1	97.4	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.5
500	97.3	97.6	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.7
400	97.3	97.6	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6	98.7
300	97.4	97.7	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.8
200	97.5	97.8	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.9
100	97.5	97.8	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.9
0	97.5	97.8	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.9

TOTAL NUMBER OF OBSERVATIONS 940

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/NAO

# CEILING VERSUS VISIBILITY

20210 FORT STAPTON NWT UNIT

57-66

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0-100-0500

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	51.2	51.5	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.4	52.6	52.8	53.2	53.2	53.5	54.1
IV 18000	53.4	53.8	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.6	54.8	54.8	55.5	55.5	55.8	56.3
IV 16000	53.4	53.8	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.6	54.8	54.8	55.5	55.5	55.8	56.3
IV 14000	53.7	54.0	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.8	55.1	55.1	55.7	55.7	56.0	56.6
IV 12000	53.8	54.1	54.5	54.6	54.6	54.6	54.7	54.7	54.7	55.0	55.2	55.2	55.8	55.8	56.2	56.7
IV 10000	59.4	59.7	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.5	60.8	60.8	61.4	61.4	61.7	62.3
IV 9000	61.7	62.0	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.9	63.1	63.1	63.8	63.8	64.1	64.6
IV 8000	66.1	66.5	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.3	67.5	67.5	68.2	68.2	68.5	69.0
IV 7000	71.3	71.7	72.0	72.2	72.2	72.2	72.3	72.3	72.3	72.6	72.8	72.8	73.4	73.4	73.8	74.3
IV 6000	72.5	72.9	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.8	74.0	74.0	74.6	74.6	74.9	75.5
IV 5000	77.2	77.7	78.1	78.2	78.2	78.2	78.3	78.3	78.3	78.6	78.8	78.8	79.5	79.5	79.8	80.4
IV 4500	78.8	79.4	79.7	79.8	79.8	79.8	79.9	79.9	79.9	80.2	80.4	80.4	81.1	81.1	81.4	81.9
IV 4000	84.3	84.8	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.7	85.9	85.9	86.6	86.6	86.9	87.4
IV 3500	85.2	85.7	86.0	86.1	86.1	86.1	86.2	86.2	86.2	86.6	86.8	86.8	87.4	87.4	87.7	88.3
IV 3000	86.0	86.6	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.4	87.6	87.6	88.3	88.3	88.6	89.1
IV 2500	87.0	87.6	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.5	88.7	88.7	89.4	89.4	89.7	90.2
IV 2000	88.3	88.9	89.2	89.4	89.4	89.4	89.5	89.5	89.5	89.8	90.0	90.0	90.6	90.6	91.0	91.5
IV 1800	88.7	89.4	89.7	89.8	89.8	89.8	89.9	89.9	89.9	90.2	90.4	90.4	91.1	91.1	91.4	91.9
IV 1500	89.7	90.3	90.6	90.8	90.8	90.8	90.9	90.9	90.9	91.2	91.4	91.4	92.0	92.0	92.4	92.9
IV 1200	90.5	91.3	91.6	91.7	91.7	91.7	91.8	91.8	91.8	92.2	92.4	92.4	93.0	93.0	93.3	93.9
IV 1000	92.0	92.8	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.9	94.1	94.1	94.7	94.7	95.1	95.6
IV 900	92.0	92.8	93.3	93.5	93.5	93.5	93.7	93.7	93.7	94.0	94.2	94.2	94.8	94.8	95.2	95.7
IV 800	92.5	93.2	93.8	94.0	94.0	94.0	94.2	94.2	94.2	94.5	94.7	94.7	95.4	95.4	95.7	96.2
IV 700	92.5	93.2	93.8	94.0	94.0	94.0	94.2	94.2	94.2	94.5	94.7	94.7	95.4	95.4	95.7	96.2
IV 600	92.9	93.7	94.2	94.4	94.4	94.4	94.6	94.6	94.6	94.9	95.2	95.2	95.8	95.8	96.1	96.7
IV 500	93.5	94.3	94.8	95.1	95.1	95.1	95.3	95.3	95.3	95.6	95.8	95.8	96.8	96.8	97.1	97.6
IV 400	93.5	94.3	94.8	95.1	95.1	95.1	95.3	95.3	95.3	95.6	95.8	95.8	96.8	96.8	97.1	97.6
IV 300	93.7	94.4	94.9	95.2	95.3	95.3	95.5	95.5	95.5	95.8	96.0	96.0	97.0	97.0	97.4	98.0
IV 200	93.8	94.7	95.3	95.5	95.6	95.6	95.8	95.8	95.8	96.1	96.3	96.3	97.4	97.4	98.2	98.7
IV 100	93.8	94.7	95.3	95.5	95.6	95.6	95.8	95.8	95.8	96.1	96.3	96.3	97.4	97.4	98.5	99.2
IV 0	93.8	94.7	95.3	95.5	95.6	95.6	95.8	95.8	95.8	96.1	96.3	96.3	97.4	97.4	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 26210 FMPT STIMPSON W-T OUT

57-60

YEARS

MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ¼	≥ 5/16	≥ ¼
NO CEILING	46.8	45.3	45.5	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	46.1	46.1	46.2
≥ 20000	51.1	51.5	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.4	52.4	52.5
IV 18000	51.1	51.5	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.4	52.4	52.5
IV 16000	51.1	51.5	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.4	52.4	52.5
IV 14000	52.0	52.5	52.7	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	53.3	53.3	53.4
IV 12000	54.1	54.5	54.7	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	55.4	55.4	55.5
IV 10000	59.4	59.8	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.6	60.6	60.6
IV 9000	63.2	63.7	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.5	64.5	64.6
IV 8000	69.5	69.9	70.2	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.9	70.9	71.0
IV 7000	71.7	72.2	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	73.1	73.1	73.2
IV 6000	72.8	73.2	73.5	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	74.3	74.3	74.4
IV 5000	76.9	77.3	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	78.4	78.4	78.5
IV 4500	77.8	78.3	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	79.4	79.4	79.5
IV 4000	82.3	82.7	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.8	83.8	83.9
IV 3500	82.8	83.2	83.5	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	84.3	84.3	84.4
IV 3000	84.1	84.5	84.8	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.6	85.6	85.7
IV 2500	85.6	86.0	86.3	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	87.1	87.1	87.2
IV 2000	88.7	89.1	89.5	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	90.4	90.4	90.5
IV 1800	88.7	89.1	89.5	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	90.4	90.4	90.5
IV 1500	90.5	91.0	91.4	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	92.4	92.4	92.5
IV 1200	91.2	91.6	92.0	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	93.0	93.0	93.1
IV 1000	93.4	94.0	94.4	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	95.3	95.3	95.4
IV 900	93.4	94.0	94.4	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	95.3	95.3	95.4
IV 800	94.3	94.8	95.2	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	96.4	96.4	96.5
IV 700	94.3	94.8	95.2	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	96.4	96.4	96.5
IV 600	94.8	95.2	95.6	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.7	96.7	96.8
IV 500	94.9	95.3	95.7	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.9	96.9	97.0
IV 400	94.9	95.3	95.7	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.9	96.9	97.0
IV 300	95.2	95.7	96.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	97.1	97.1	97.2
IV 200	95.2	95.7	96.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	97.1	97.1	97.2
IV 100	95.2	95.7	96.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	97.1	97.1	97.2
IV 0	95.2	95.7	96.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	97.1	97.1	97.2

TOTAL NUMBER OF OBSERVATIONS 940



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

26216 FIRST SIMPSON NWT UNIT

37-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FeET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	45.4 52.4	46.2 52.7	46.5 52.9	46.6 53.0	46.6 53.0	46.6 53.0	46.6 53.0	46.7 53.1	46.7 53.1	46.7 53.1	46.7 53.1	46.7 53.1	46.7 53.1	46.7 53.1	46.7 53.1	46.7 53.1
IV 18000 16000	52.5 52.9	52.8 53.2	53.0 53.4	53.1 53.5	53.1 53.5	53.1 53.5	53.1 53.5	53.2 53.7	53.2 53.7	53.2 53.7	53.2 53.7	53.2 53.7	53.2 53.7	53.2 53.7	53.2 53.7	53.2 53.7
IV 14000 12000	53.1 57.6	53.4 58.0	53.6 58.2	53.7 58.3	53.7 58.3	53.7 58.3	53.7 58.3	53.8 58.4	53.8 58.4	53.8 58.4	53.8 58.4	53.8 58.4	53.8 58.4	53.8 58.4	53.8 58.4	53.8 58.4
IV 10000 9000	63.2 68.4	63.7 68.7	63.9 68.9	64.0 69.0	64.0 69.0	64.0 69.0	64.0 69.0	64.1 69.1	64.1 69.1	64.1 69.1	64.1 69.1	64.1 69.1	64.1 69.1	64.1 69.1	64.1 69.1	64.1 69.1
IV 8000 7000	72.8 74.1	73.2 74.5	73.5 74.8	73.7 74.9	73.7 74.9	73.7 74.9	73.7 74.9	73.8 75.1	73.8 75.1	73.8 75.1	73.8 75.1	73.8 75.1	73.8 75.1	73.8 75.1	73.8 75.1	73.8 75.1
IV 6000 5000	74.6 76.0	75.1 76.6	75.4 77.0	75.5 77.1	75.5 77.1	75.5 77.1	75.5 77.1	75.6 77.2	75.6 77.2	75.6 77.2	75.6 77.2	75.6 77.2	75.6 77.2	75.6 77.2	75.6 77.2	75.6 77.2
IV 4500 4000	76.6 78.9	77.1 79.6	77.5 80.0	77.6 80.2	77.6 80.2	77.6 80.2	77.6 80.2	77.7 80.3	77.7 80.3	77.7 80.3	77.7 80.3	77.7 80.3	77.7 80.3	77.7 80.3	77.7 80.3	77.7 80.3
IV 3500 3000	79.7 81.8	80.4 82.6	80.9 83.0	81.1 83.2	81.1 83.2	81.1 83.2	81.1 83.2	81.2 83.3	81.2 83.3	81.2 83.3	81.2 83.3	81.2 83.3	81.2 83.3	81.2 83.3	81.2 83.3	81.2 83.3
IV 2500 2000	83.4 87.7	84.2 88.5	84.6 88.9	84.8 89.2	84.8 89.2	84.8 89.2	84.8 89.2	84.9 89.4	84.9 89.4	84.9 89.4	84.9 89.4	84.9 89.4	84.9 89.4	84.9 89.4	84.9 89.4	84.9 89.4
IV 1800 1500	87.8 92.3	88.6 93.1	89.0 93.5	89.4 93.9	89.4 93.9	89.4 93.9	89.4 93.9	89.5 94.0	89.5 94.0	89.5 94.0	89.5 94.0	89.5 94.0	89.5 94.0	89.5 94.0	89.5 94.0	89.5 94.0
IV 1200 1000	93.2 95.9	94.1 96.8	94.5 97.6	94.8 98.0	94.8 98.0	94.8 98.0	94.8 98.0	95.1 98.1	95.1 98.2	95.1 98.2	95.1 98.2	95.1 98.2	95.1 98.2	95.1 98.2	95.1 98.2	95.1 98.2
IV 900 800	96.3 96.8	97.2 97.6	98.1 98.5	98.4 98.8	98.4 98.8	98.4 98.8	98.4 98.8	98.6 99.0	98.6 99.0	98.6 99.0	98.6 99.0	98.6 99.0	98.6 99.0	98.6 99.0	98.6 99.0	98.6 99.0
IV 700 600	97.0 97.0	98.0 98.0	98.8 98.8	99.1 99.1	99.1 99.1	99.1 99.1	99.2 99.1	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4
IV 500 400	97.1 97.1	98.1 98.1	98.9 98.9	99.2 99.2	99.2 99.2	99.2 99.2	99.4 99.4	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5	99.5 99.5
IV 300 200	97.1 97.1	98.1 98.1	98.9 98.9	99.2 99.2	99.2 99.2	99.2 99.2	99.4 99.4	99.5 99.5	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6
IV 100 0	97.1 97.1	98.1 98.1	98.9 98.9	99.2 99.2	99.2 99.2	99.2 99.2	99.4 99.4	99.5 99.5	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 940

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26210 STATION NAME: FORT SIMPSON NWT DIST

37-60

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1960-1960

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	48.0	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 18000	55.3	56.0	56.0	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 16000	55.8	56.6	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 14000	57.0	57.7	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 12000	59.0	59.8	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 10000	63.9	64.6	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 9000	68.5	69.2	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 8000	72.3	73.0	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 7000	74.1	73.9	73.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 6000	73.7	74.4	74.4	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 5000	74.7	75.5	75.5	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 4500	75.4	76.7	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4000	78.0	79.4	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 3500	80.3	81.1	81.1	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3000	84.0	85.4	85.4	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500	88.6	89.4	89.4	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 2000	92.2	92.9	92.9	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1800	92.6	93.3	93.3	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	93.2	93.8	93.8	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	95.3	96.1	96.1	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1000	97.5	98.5	98.6	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	97.5	98.5	98.6	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	97.6	98.6	99.0	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	97.7	98.9	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.8	99.0	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	97.8	99.0	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.8	99.0	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.8	99.0	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.8	99.0	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.8	99.0	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.8	99.0	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR MEAT FOR SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NAME: 2-213 POINT STOPS IN NWIT UNIT STATION NAME: 57-60

YEARS: 1960-1966

ALLC MONTH: 1-1960-1-1966

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-1960-1-1966

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.2	50.9	50.9	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	59.7	60.3	60.3	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 18000	60.6	60.6	60.6	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 16000	61.2	61.2	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 14000	61.9	61.9	61.9	61.9	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 12000	62.8	62.8	62.8	62.8	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 10000	67.3	68.0	68.0	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 9000	72.9	73.5	73.5	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 8000	76.5	77.2	77.2	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 7000	78.0	78.7	78.7	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 6000	79.0	79.8	79.8	79.8	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 5000	82.2	82.2	82.2	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4500	84.0	84.7	84.7	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4000	87.6	88.4	88.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 3500	88.6	89.4	89.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 3000	90.8	91.5	91.5	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	92.6	93.3	93.3	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 2000	94.4	95.2	95.2	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	94.5	95.3	95.3	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1500	96.1	96.9	96.9	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1200	96.6	97.3	97.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1000	97.5	98.4	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 900	97.5	98.4	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	97.5	98.4	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	97.8	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 600	97.8	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500	97.8	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	98.0	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	98.0	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	98.0	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100	98.0	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 0	98.0	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 936

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

24210

FULT SIMPSON NUT UNIT

57-66

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1607-2000

CEILING FEET	VISIBILITY - (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.3	54.6	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 20000	60.4	60.8	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 18000	60.5	60.9	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 16000	60.5	60.9	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 14000	61.7	62.0	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 12000	62.2	62.5	62.7	62.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 10000	69.5	69.8	69.9	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 9000	75.2	75.3	75.6	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 8000	78.8	79.1	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 7000	80.8	80.8	80.9	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 6000	82.4	82.7	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 5000	85.7	86.0	86.1	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 4500	86.7	87.0	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 4000	91.1	91.4	91.5	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 3500	91.7	92.0	92.2	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 3000	93.4	93.9	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 2500	94.5	95.2	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2000	95.5	96.1	96.3	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1800	95.5	96.1	96.3	96.6	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1500	96.7	97.3	97.5	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1200	96.7	97.3	97.5	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	97.6	98.7	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	97.6	98.7	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	97.6	98.7	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	97.6	98.7	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	97.6	98.7	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	97.6	98.7	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	97.6	98.7	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	97.6	98.7	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	97.6	98.7	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	97.6	98.7	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	97.6	98.7	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR MEATER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26210 STATION POINT STATION NAME DATE 57-66 YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 MONTH (CITY)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING ≥ 20000	7.6	58.1	58.1	58.3	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.7
≥ 18000	60.4	60.9	60.9	61.1	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.5
≥ 16000	60.4	60.9	60.9	61.1	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.5
≥ 14000	61.0	61.4	61.4	61.6	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	62.0
≥ 12000	62.9	63.3	63.3	63.5	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.1
≥ 10000	65.8	66.2	66.3	66.6	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.1
≥ 9000	70.6	71.1	71.2	71.4	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.9
≥ 8000	74.7	75.2	75.3	75.5	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	76.0
≥ 7000	79.7	80.1	80.2	80.4	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	81.0
≥ 6000	81.7	82.2	82.3	82.5	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	83.0
≥ 5000	85.2	85.7	85.8	86.0	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.6
≥ 4500	86.9	87.5	87.6	87.8	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.4
≥ 4000	90.6	91.4	91.5	91.7	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.3
≥ 3500	91.9	92.7	92.8	93.0	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.5
≥ 3000	93.3	94.3	94.5	94.7	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.3
≥ 2500	94.5	95.5	95.7	95.9	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 2000	96.9	97.9	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 1800	98.1	98.0	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 1500	98.0	97.1	97.3	97.5	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.1
≥ 1200	98.3	97.4	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 1000	97.0	98.1	98.3	98.6	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥ 900	97.1	98.2	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 800	97.1	98.2	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 700	97.4	98.5	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 600	97.4	98.5	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 500	97.4	98.6	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 400	97.4	98.6	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 300	97.4	98.6	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 200	97.4	98.6	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 100	97.4	98.6	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 0	97.4	98.6	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR RESEARCH REPORT/44C

# CEILING VERSUS VISIBILITY

20210 11 T STOPS 44C 57-46 YEARS 2000-01-00

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼
NO CEILING	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	50.4	50.4	50.4	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 18000	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 16000	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 14000	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 12000	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 10000	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 9000	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 8000	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 7000	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 6000	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 5000	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 4500	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 4000	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 3500	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 3000	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 2500	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 2000	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1800	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 1500	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 1200	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 1000	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 900	60.7	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 800	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 700	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 600	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 500	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 400	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 300	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 200	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 100	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 0	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3

TOTAL NUMBER OF OBSERVATIONS 200

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

16210 FORT SIMPSON NW 1 UNIT

57-66

YEARS

REP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/16	≥ ¼	≥ 0
NO CEILING	39.1	39.2	39.2	39.2	39.3	39.3	39.7	39.7	39.7	39.9	40.1	40.1	40.7	40.7	41.3	41.8
≥ 20000	40.0	40.1	40.1	40.1	40.2	40.2	40.6	40.6	40.6	40.8	41.0	41.0	41.6	41.6	42.2	42.7
IV 18000	40.0	40.1	40.1	40.1	40.2	40.2	40.6	40.6	40.6	40.8	41.0	41.0	41.6	41.6	42.2	42.7
IV 16000	40.1	40.2	40.2	40.2	40.3	40.3	40.7	40.7	40.7	40.9	41.1	41.1	41.7	41.7	42.3	42.8
IV 14000	41.6	41.7	41.7	41.7	41.8	41.8	42.1	42.1	42.1	42.3	42.6	42.6	43.1	43.1	43.8	44.2
IV 12000	43.7	43.8	43.8	43.8	43.9	43.9	44.2	44.2	44.2	44.4	44.7	44.7	45.2	45.2	45.9	46.3
IV 10000	46.4	46.6	46.6	46.6	46.7	46.7	47.0	47.0	47.0	47.3	47.6	47.6	48.1	48.1	48.8	49.2
IV 9000	48.7	48.8	48.8	48.8	48.9	48.9	49.2	49.2	49.2	49.4	49.8	49.8	50.3	50.3	51.0	51.4
IV 8000	53.4	53.6	53.6	53.6	53.7	53.7	54.0	54.0	54.0	54.3	54.6	54.6	55.1	55.1	55.8	56.2
IV 7000	59.1	59.2	59.2	59.2	59.3	59.3	59.7	59.7	59.7	60.0	60.2	60.2	60.8	60.8	61.4	61.9
IV 6000	59.7	59.8	59.8	59.8	59.9	59.9	60.2	60.2	60.2	60.6	60.8	60.8	61.3	61.3	62.0	62.4
IV 5000	65.8	66.0	66.0	66.0	66.1	66.1	66.4	66.4	66.4	66.8	67.0	67.0	67.6	67.6	68.2	68.7
IV 4500	67.3	67.7	67.7	67.7	67.8	67.8	68.1	68.1	68.1	68.4	68.7	68.7	69.2	69.2	69.9	70.3
IV 4000	72.3	72.6	72.6	72.6	72.9	72.9	73.2	73.2	73.2	73.6	73.8	73.8	74.4	74.4	75.1	75.6
IV 3500	73.7	74.0	74.0	74.0	74.1	74.1	74.4	74.4	74.4	74.8	75.0	75.0	75.7	75.7	76.3	76.8
IV 3000	76.7	77.0	77.0	77.0	77.1	77.1	77.4	77.4	77.4	77.8	78.0	78.0	78.7	78.7	79.3	79.8
IV 2500	79.1	79.4	79.4	79.4	79.6	79.6	79.9	79.9	79.9	80.2	80.4	80.4	81.1	81.1	81.8	82.2
IV 2000	80.9	81.2	81.2	81.2	81.3	81.3	81.7	81.7	81.7	82.0	82.2	82.2	82.9	82.9	83.6	84.0
IV 1800	81.2	81.7	81.7	81.7	81.9	81.9	82.2	82.2	82.2	82.6	82.8	82.8	83.4	83.4	84.1	84.6
IV 1500	82.7	83.2	83.3	83.3	83.6	83.6	83.9	83.9	83.9	84.2	84.4	84.4	85.1	85.1	85.8	86.2
IV 1200	84.6	85.3	85.4	85.4	85.7	85.7	86.1	86.1	86.1	86.4	86.9	86.9	87.7	87.7	88.3	88.8
IV 1000	85.6	87.0	87.1	87.1	87.3	87.3	87.8	87.8	87.8	88.1	88.6	88.6	89.3	89.3	90.0	90.4
IV 900	86.4	87.9	88.0	88.0	88.2	88.2	88.7	88.7	88.7	89.0	89.6	89.6	90.3	90.3	91.0	91.4
IV 800	86.8	88.4	88.6	88.6	88.8	88.8	89.2	89.3	89.3	89.7	90.2	90.2	91.0	91.0	91.7	92.1
IV 700	87.2	88.9	89.0	89.0	89.2	89.2	89.8	89.8	89.8	90.1	90.7	90.7	91.4	91.4	92.1	92.6
IV 600	87.6	89.4	89.7	89.7	89.9	89.9	90.6	90.6	90.6	90.9	91.4	91.4	92.2	92.2	92.9	93.3
IV 500	87.9	90.1	90.3	90.3	90.6	90.6	91.2	91.2	91.2	91.7	92.2	92.2	93.0	93.0	93.7	94.1
IV 400	88.3	90.6	90.8	90.8	91.1	91.1	91.8	91.8	91.8	92.3	92.9	92.9	93.7	93.7	94.3	94.8
IV 300	89.0	91.4	91.7	91.7	92.1	92.1	93.0	93.1	93.1	93.9	94.4	94.4	95.3	95.3	96.0	96.4
IV 200	89.4	92.1	92.3	92.4	92.9	92.9	94.1	94.2	94.2	95.2	95.8	95.8	97.1	97.1	97.8	98.2
IV 100	89.6	92.2	92.4	92.6	93.0	93.0	94.2	94.3	94.3	95.3	95.9	95.9	97.6	97.6	98.3	98.8
IV 0	89.6	92.2	92.4	92.6	93.0	93.0	94.2	94.3	94.3	95.3	95.9	95.9	97.8	97.8	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AFIP HEAT LK SERVICE/MAC

# CEILING VERSUS VISIBILITY

2421 FORM 1 STATION NAME UNIT

57-68

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0900

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING	31.1	31.3	31.3	31.3	31.7	31.7	31.8	31.8	31.8	32.0	32.0	32.0	32.0	32.4	32.4	33.2
≥ 20000	34.0	34.2	34.2	34.2	34.6	34.6	34.7	34.7	34.7	34.9	34.9	34.9	35.2	35.4	35.4	36.6
≥ 18000	34.1	34.3	34.3	34.3	34.7	34.7	34.8	34.8	34.8	35.0	35.0	35.0	35.2	35.4	35.6	36.7
≥ 16000	34.2	34.4	34.4	34.4	34.8	34.8	34.9	34.9	34.9	35.1	35.1	35.1	35.6	35.7	36.4	36.8
≥ 14000	35.7	35.9	35.9	35.9	36.2	36.2	36.3	36.3	36.3	36.6	36.6	36.6	37.0	37.1	38.0	38.3
≥ 12000	36.7	36.9	36.9	36.9	37.2	37.2	37.3	37.3	37.3	37.6	37.6	37.6	38.1	38.2	39.1	39.4
≥ 10000	40.1	40.4	40.4	40.4	40.7	40.7	41.0	41.0	41.0	41.3	41.3	41.3	41.9	42.0	42.9	43.2
≥ 9000	44.7	45.0	45.0	45.1	45.4	45.4	45.6	45.6	45.6	45.9	45.9	45.9	46.4	46.4	47.4	47.8
≥ 8000	49.0	49.3	49.3	49.4	49.6	49.8	49.9	49.9	49.9	50.2	50.2	50.2	50.8	50.9	51.6	52.1
≥ 7000	53.4	53.8	53.8	53.9	54.2	54.2	54.3	54.3	54.3	54.7	54.7	54.7	55.2	55.3	56.2	56.6
≥ 6000	53.7	54.0	54.0	54.1	54.4	54.4	54.6	54.6	54.6	54.9	54.9	54.9	55.4	55.6	56.4	56.8
≥ 5000	59.8	60.1	60.1	60.2	60.6	60.6	60.7	60.7	60.7	61.0	61.1	61.1	61.8	61.9	62.9	63.2
≥ 4500	61.3	61.7	61.7	61.8	62.1	62.1	62.2	62.2	62.2	62.6	62.7	62.7	63.3	63.4	64.4	64.8
≥ 4000	67.2	67.6	67.6	67.7	68.0	68.0	68.1	68.1	68.1	68.4	68.6	68.6	69.2	69.3	70.3	70.7
≥ 3500	68.2	68.6	68.6	68.7	69.0	69.0	69.1	69.1	69.1	69.4	69.6	69.6	70.2	70.3	71.3	71.7
≥ 3000	72.3	72.7	72.7	72.9	73.2	73.2	73.3	73.3	73.3	73.8	73.9	73.9	74.6	74.7	75.7	76.0
≥ 2500	74.6	74.9	74.9	75.1	75.4	75.4	75.6	75.6	75.6	76.0	76.1	76.1	76.8	76.9	77.9	78.2
≥ 2000	76.9	77.3	77.3	77.6	78.2	78.2	78.3	78.3	78.3	78.8	78.9	78.9	79.6	79.7	80.7	81.0
≥ 1800	77.0	77.4	77.4	77.9	78.4	78.4	78.6	78.6	78.6	79.0	79.1	79.1	79.8	79.9	80.9	81.2
≥ 1500	79.8	80.2	80.2	80.7	81.2	81.2	81.3	81.3	81.4	81.4	82.1	82.2	82.9	83.0	84.0	84.3
≥ 1200	80.4	80.9	80.9	81.6	82.1	82.1	82.2	82.3	82.3	83.1	83.2	83.2	83.9	84.0	85.0	85.3
≥ 1000	82.4	84.4	84.4	85.1	85.7	85.7	86.0	86.1	86.1	86.9	87.0	87.0	87.7	87.8	88.8	89.1
≥ 900	83.6	84.6	84.6	85.2	85.8	85.8	86.1	86.2	86.2	87.0	87.1	87.1	87.8	87.9	88.9	89.2
≥ 800	84.6	85.8	85.8	86.4	87.0	87.0	87.3	87.4	87.4	88.2	88.3	88.3	89.0	89.1	90.1	90.4
≥ 700	85.7	86.7	86.8	87.6	88.2	88.2	88.6	88.7	88.7	89.4	89.4	89.4	90.2	90.3	91.3	91.7
≥ 600	86.9	86.9	86.9	87.9	88.7	88.7	89.1	89.2	89.2	90.1	90.2	90.2	90.9	91.0	92.0	92.3
≥ 500	86.9	89.1	88.2	89.3	90.1	90.1	90.8	91.0	91.0	92.1	92.2	92.2	92.9	93.0	94.0	94.3
≥ 400	87.3	88.7	88.8	89.9	90.9	90.9	91.7	91.9	91.9	93.1	93.2	93.2	93.9	94.1	95.1	95.4
≥ 300	87.3	88.9	89.0	90.2	91.6	91.6	92.3	92.7	92.7	94.0	94.1	94.1	94.8	95.0	96.0	96.4
≥ 200	87.8	89.3	89.4	90.8	92.1	92.1	92.9	93.2	93.3	95.0	95.1	95.3	96.1	96.3	97.4	98.0
≥ 100	87.8	89.3	89.4	90.8	92.1	92.1	92.9	93.2	93.3	95.1	95.4	95.4	96.3	96.6	97.9	98.4
≥ 0	87.8	89.3	89.4	90.8	92.1	92.1	92.9	93.2	93.3	95.3	95.7	95.7	96.7	96.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING DIVISION  
USAF ETAC  
AIR FORCE RESEARCH AND DEVELOPMENT

# CEILING VERSUS VISIBILITY

STATION NAME STATION NAME STATION NUMBER 57-60 YEARS 1960 MONTH 11  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS) 0001-1100

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	13.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.4	33.4	33.4	33.6	33.6	33.6
IV 22500	30.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.7	38.7	38.7	38.9	38.9	38.9
IV 18000	30.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.7	38.7	38.7	38.9	38.9	38.9
IV 16000	30.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.7	38.7	38.7	38.9	38.9	38.9
IV 14000	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.3	39.3	39.3	39.6	39.6	39.6
IV 12000	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.9	40.9	40.9	41.1	41.1	41.1
IV 10000	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.2	44.2	44.2
IV 9000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6	52.6	52.6	52.8	52.8	52.8
IV 8000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.9	57.9	57.9
IV 7000	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.9	58.9	58.9
IV 6000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.6	59.6	59.6
IV 5000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.3	62.3	62.3
IV 4500	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9	63.1	63.1	63.1
IV 4000	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.9	65.9	65.9
IV 3500	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.7	66.7	66.7
IV 3000	69.7	70.0	70.0	70.0	70.1	70.1	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.6	70.6	70.6
IV 2500	72.4	72.6	72.6	72.6	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.4	73.4	73.4
IV 2000	77.2	77.6	77.6	77.7	77.8	77.8	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.2	78.2	78.2
IV 1800	77.7	78.0	78.0	78.1	78.2	78.2	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.7	78.7	78.7
IV 1500	81.3	81.9	81.9	82.0	82.1	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.6	82.6	82.6
IV 1200	83.3	84.1	84.2	84.3	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.8	84.8	85.0	85.0	85.0
IV 1000	87.1	88.2	88.4	88.6	89.1	89.1	89.4	89.6	89.6	89.8	89.8	89.8	89.8	90.0	90.0	90.0
IV 900	88.6	89.3	89.4	89.5	90.1	90.1	90.4	90.6	90.6	90.8	90.8	90.8	90.8	91.0	91.0	91.0
IV 800	90.0	90.3	90.7	91.0	91.6	91.6	92.1	92.2	92.2	92.4	92.4	92.4	92.4	92.7	92.7	92.7
IV 700	90.0	92.1	92.4	92.8	93.3	93.6	93.9	94.0	94.0	94.2	94.2	94.2	94.2	94.4	94.4	94.4
IV 600	90.2	92.6	93.1	93.4	94.0	94.2	94.7	94.8	94.8	95.0	95.0	95.0	95.0	95.2	95.2	95.2
IV 500	91.0	93.7	94.4	94.8	95.3	95.6	96.1	96.2	96.2	96.6	96.6	96.6	96.6	96.8	96.8	96.8
IV 400	91.0	94.6	95.4	95.9	96.6	96.8	97.2	97.4	97.4	97.9	97.9	97.9	97.9	98.1	98.1	98.1
IV 300	91.7	94.8	95.9	96.3	97.1	97.3	98.1	98.4	98.4	98.9	98.9	98.9	98.9	99.2	99.2	99.2
IV 200	91.7	94.8	95.9	96.3	97.2	97.4	98.2	98.6	98.6	99.2	99.2	99.2	99.2	99.6	99.6	99.6
IV 100	91.7	94.8	95.9	96.3	97.2	97.4	98.2	98.6	98.6	99.3	99.3	99.3	99.3	99.7	99.7	99.7
IV 0	91.7	94.8	95.9	96.3	97.2	97.4	98.2	98.6	98.6	99.3	99.3	99.3	99.3	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 700

DATA PROCESSING DIVISION  
534 LTAF  
AIR FORCE SERVICE/PAO

# CEILING VERSUS VISIBILITY

2021-1-1 STATION NAME: 5746 YEARS: 1964-1965  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS) 1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
IV 20000	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 18000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
IV 16000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 14000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 12000	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 10000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 9000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 8000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 7000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 6000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 5000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 4500	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 4000	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 3500	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 3000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 2500	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 2000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1800	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 1500	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1200	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 900	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 800	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

2

DATA PROCESSING DIVISION  
USAF ETAC  
14-10-5 (OL 1)

# CEILING VERSUS VISIBILITY

STATION 26210 FIRST STATION 26210

37-00

YEARS

SEP

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-06-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2
NO CEILING	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 20000	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 18000	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 16000	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 14000	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 12000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 10000	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 9000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 8000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 7000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 6000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 5000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 4500	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 4000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 3500	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 2500	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 2000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 1800	85.2	85.4	85.4	85.4	85.6	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1500	87.0	87.8	87.8	87.8	88.0	88.0	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1200	89.1	89.4	89.4	89.4	89.7	89.7	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1000	91.3	92.1	92.3	92.7	93.1	93.1	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 900	92.0	93.0	93.2	93.6	94.0	94.0	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 800	92.9	94.1	94.3	94.7	95.1	95.1	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 700	93.4	94.9	95.1	95.4	95.9	95.9	96.2	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 600	94.6	96.1	96.3	96.7	97.1	97.1	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 500	95.2	97.1	97.4	97.9	98.4	98.4	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	95.4	97.3	97.7	98.1	98.7	98.7	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	95.4	97.3	97.7	98.4	99.0	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	95.6	97.4	97.8	98.6	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	95.6	97.4	97.8	98.6	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	95.6	97.4	97.8	98.6	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

STATION NAME PORT STATION NWT DLT

57-66

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000000

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 20000	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 18000	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 16000	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 14000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 12000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 10000	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 9000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 8000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 7000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 6000	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 5000	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 4500	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4000	76.6	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 3500	78.8	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 3000	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 2500	85.1	85.3	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2000	87.3	87.7	87.7	87.8	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1800	88.0	88.3	88.3	88.4	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1500	90.0	90.4	90.4	90.6	91.1	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1200	91.2	91.7	91.7	91.8	92.3	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1000	92.6	93.8	93.8	93.9	94.4	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900	93.0	94.2	94.2	94.3	94.9	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 800	93.7	94.9	94.9	95.0	95.8	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 700	94.0	95.3	95.3	95.4	96.2	96.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 600	94.7	96.0	96.0	96.1	96.9	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 500	95.2	96.7	96.7	96.9	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	95.3	96.8	96.8	97.0	98.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 300	95.3	96.8	96.8	97.0	98.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	95.8	97.0	97.0	97.2	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	95.8	97.0	97.0	97.2	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 0	95.8	97.0	97.0	97.2	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

20216 FLIGHT STATION NAME

57-46

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2309

CEILING FEET	VISIBILITY - STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 12000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 5000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 3000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2500	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1800	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1500	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1200	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 900	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

20210 FORT SIMPSON NWT DIST  
STATION NAME

57-66  
YEARS

1 OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (UTC)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	49.6	49.8	49.8	40.2	40.2	40.2	40.3	40.8	40.8	40.8	40.8	40.8	41.0	41.0	41.7	41.7
IV 20000	41.0	41.2	41.2	41.6	41.6	41.6	41.7	42.2	42.2	42.2	42.2	42.2	42.4	42.4	43.1	43.1
IV 18000	41.4	41.6	41.6	42.0	42.0	42.0	42.2	42.6	42.6	42.6	42.6	42.6	42.8	42.8	43.5	43.5
IV 16000	41.0	41.8	41.8	42.3	42.3	42.3	42.4	42.8	42.8	42.8	42.8	42.8	43.0	43.0	43.8	43.8
IV 14000	43.1	43.3	43.3	43.8	43.8	43.8	43.9	44.3	44.3	44.3	44.3	44.3	44.5	44.5	45.3	45.3
IV 12000	44.3	44.5	44.5	44.9	44.9	44.9	45.1	45.5	45.5	45.5	45.5	45.5	45.7	45.7	46.5	46.5
IV 10000	48.1	48.3	48.3	48.8	48.8	48.8	48.9	49.4	49.4	49.4	49.4	49.4	49.6	49.6	50.3	50.3
IV 9000	50.1	50.3	50.3	50.9	50.9	50.9	51.1	51.5	51.5	51.5	51.5	51.5	51.7	51.7	52.5	52.5
IV 8000	51.6	52.2	52.2	52.7	52.7	52.7	52.9	53.3	53.3	53.3	53.3	53.3	53.5	53.5	54.3	54.3
IV 7000	55.5	56.0	56.0	56.6	56.6	56.6	56.8	57.2	57.2	57.2	57.2	57.2	57.4	57.4	58.2	58.2
IV 6000	55.9	56.6	56.6	57.1	57.1	57.1	57.3	57.7	57.7	57.7	57.7	57.7	58.0	58.0	58.7	58.7
IV 5000	59.5	60.2	60.3	60.9	60.9	60.9	61.2	61.6	61.6	61.6	61.6	61.6	61.8	61.8	62.6	62.6
IV 4500	60.2	61.0	61.1	61.6	61.6	61.6	61.9	62.4	62.4	62.4	62.4	62.4	62.6	62.6	63.3	63.3
IV 4000	62.5	63.2	63.3	63.9	63.9	63.9	64.3	64.7	64.7	64.7	64.7	64.7	64.9	64.9	65.7	65.7
IV 3500	63.9	64.6	64.6	65.4	65.4	65.4	65.8	66.2	66.2	66.2	66.2	66.2	66.5	66.5	67.2	67.2
IV 3000	65.8	66.6	67.1	67.7	67.7	67.7	68.2	68.8	68.8	68.8	68.8	68.8	69.0	69.0	69.8	69.8
IV 2500	67.8	68.0	69.5	70.1	70.1	70.1	70.5	71.2	71.2	71.2	71.2	71.2	71.4	71.4	72.2	72.2
IV 2000	70.6	71.6	72.3	73.0	73.1	73.1	73.5	74.2	74.2	74.2	74.2	74.2	74.6	74.6	75.4	75.4
IV 1800	70.9	71.8	72.5	73.2	73.3	73.3	73.8	74.4	74.4	74.6	74.6	74.6	74.8	74.8	75.6	75.6
IV 1500	72.5	73.7	74.3	75.3	75.8	75.8	76.2	76.9	76.9	77.1	77.1	77.1	77.3	77.3	78.1	78.1
IV 1200	75.5	76.8	77.4	78.5	79.0	79.0	79.7	80.3	80.3	80.5	80.5	80.5	80.9	80.9	81.7	81.7
IV 1000	77.2	78.6	79.4	80.4	81.0	81.0	81.9	82.9	82.9	83.3	83.3	83.3	83.8	83.8	84.6	84.6
IV 900	77.6	79.0	79.8	80.9	81.4	81.4	82.4	83.3	83.3	83.9	84.0	84.0	84.3	84.3	85.2	85.2
IV 800	78.9	80.4	81.2	82.5	83.0	83.0	84.1	85.1	85.1	85.6	85.7	85.7	86.0	86.0	86.9	86.9
IV 700	80.1	81.7	82.5	83.8	84.3	84.3	85.4	86.3	86.3	86.9	87.0	87.0	87.3	87.3	88.3	88.3
IV 600	81.0	82.6	83.3	84.6	85.2	85.2	86.3	87.4	87.4	88.0	88.3	88.3	88.6	88.7	89.7	89.7
IV 500	81.7	83.5	84.4	85.7	86.2	86.2	87.3	88.5	88.5	89.5	89.8	89.8	90.3	90.4	91.4	91.4
IV 400	83.0	85.1	86.0	87.5	88.1	88.2	89.3	90.4	90.4	91.5	91.9	91.9	92.6	92.7	93.7	93.7
IV 300	83.8	85.9	87.1	88.9	89.7	89.8	91.2	92.2	92.2	93.2	93.7	93.7	94.9	95.1	96.0	96.0
IV 200	83.9	86.0	87.3	89.1	90.1	90.2	91.8	92.8	92.8	94.4	94.8	94.8	96.6	96.7	98.4	98.4
IV 100	83.9	86.0	87.3	89.1	90.1	90.2	91.8	92.8	92.8	95.1	95.5	95.5	97.3	97.4	99.5	99.5
IV 0	83.9	86.0	87.3	89.1	90.1	90.2	91.8	92.8	92.8	95.1	95.5	95.5	97.3	97.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 330

1  
2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

26216 PORT STIMPSON NWT UNIT

27-66

YEARS

CT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0100-0500

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.1	37.1	37.2	37.4	37.7	37.7	37.6	37.8	37.8	38.1	38.2	38.2	38.5	38.5	39.4	39.4
≥ 20000	37.7	37.7	37.8	38.1	38.4	38.4	38.5	38.5	38.8	38.7	38.8	38.7	39.1	39.1	40.0	40.1
IV 18000	38.1	38.1	38.2	38.4	38.7	38.7	38.8	38.8	38.8	39.0	39.1	39.1	39.5	39.5	40.3	40.4
IV 16000	38.1	38.1	38.2	38.4	38.7	38.7	38.8	38.8	38.8	39.0	39.1	39.1	39.5	39.5	40.3	40.4
IV 14000	39.1	39.1	39.2	39.5	39.8	39.8	39.9	39.9	39.9	40.1	40.2	40.2	40.5	40.5	41.4	41.5
IV 12000	40.3	40.3	40.4	40.6	41.0	41.0	41.1	41.1	41.1	41.3	41.4	41.4	41.7	41.7	42.6	42.7
IV 10000	42.9	42.9	43.0	43.2	43.5	43.5	43.7	43.7	43.7	43.9	44.0	44.0	44.3	44.3	45.2	45.3
IV 9000	43.8	43.8	43.9	44.1	44.3	44.3	44.5	44.6	44.6	44.8	44.9	44.9	45.2	45.2	46.1	46.2
IV 8000	46.2	46.7	46.8	47.0	47.4	47.4	47.5	47.5	47.5	47.7	47.8	47.8	48.2	48.2	49.0	49.1
IV 7000	49.6	50.0	50.1	50.3	50.6	50.6	50.9	50.9	50.9	51.1	51.2	51.2	51.5	51.5	52.4	52.5
IV 6000	50.2	50.6	50.8	51.0	51.4	51.4	51.5	51.5	51.5	51.7	51.8	51.8	52.2	52.2	53.0	53.1
IV 5000	52.6	53.1	53.2	53.7	54.2	54.2	54.4	54.4	54.4	54.6	54.7	54.7	55.1	55.1	55.9	56.0
IV 4500	54.0	54.5	54.6	55.1	55.6	55.6	55.8	55.8	55.8	56.0	56.1	56.1	56.5	56.5	57.3	57.4
IV 4000	56.3	57.0	57.1	57.6	58.2	58.2	58.5	58.5	58.5	58.7	58.8	58.8	59.1	59.1	60.0	60.1
IV 3500	57.5	58.3	58.7	59.2	59.8	59.8	60.1	60.1	60.1	60.3	60.4	60.4	60.8	60.8	61.6	61.7
IV 3000	60.1	61.0	61.4	61.9	62.7	62.7	63.0	63.0	63.0	63.2	63.3	63.3	63.7	63.7	64.5	64.6
IV 2500	61.7	62.6	63.0	63.5	64.6	64.6	64.9	64.9	64.9	65.2	65.3	65.3	65.6	65.6	66.5	66.6
IV 2000	64.5	65.4	65.8	66.5	67.6	67.6	68.1	68.1	68.1	68.4	68.4	68.4	68.7	68.7	69.1	69.1
IV 1800	65.5	66.3	66.8	67.4	68.6	68.6	69.2	69.3	69.3	69.7	69.8	69.8	70.2	70.2	71.1	71.2
IV 1500	68.4	69.6	70.0	70.6	72.0	72.0	72.8	73.0	73.0	73.2	73.3	73.3	73.8	73.8	74.0	74.7
IV 1200	71.6	73.0	73.8	74.6	75.9	75.9	77.1	77.4	77.4	77.7	77.8	77.8	78.3	78.3	79.1	79.2
IV 1000	75.3	76.9	77.7	78.7	80.1	80.1	81.2	81.6	81.6	82.4	82.7	82.7	83.1	83.1	84.0	84.1
IV 900	76.1	77.7	78.6	79.6	81.0	81.0	82.2	82.5	82.5	83.2	83.5	83.5	84.0	84.0	84.8	84.9
IV 800	76.8	78.3	79.4	80.3	81.7	81.7	82.1	82.4	82.4	83.4	83.7	83.7	84.3	84.3	85.1	85.2
IV 700	77.5	79.4	80.2	81.2	82.6	82.6	84.0	84.3	84.3	85.1	85.4	85.4	86.2	86.2	87.1	87.2
IV 600	78.3	80.1	81.0	81.9	83.3	83.3	84.7	85.1	85.1	85.8	86.2	86.2	86.3	86.3	87.1	87.1
IV 500	79.4	81.3	82.2	83.1	84.5	84.5	85.9	86.2	86.2	87.0	87.6	87.7	88.5	88.5	89.4	89.5
IV 400	80.5	82.7	83.8	84.8	86.3	86.3	87.7	88.1	88.1	88.8	89.5	89.6	90.4	90.4	91.3	91.4
IV 300	80.8	83.1	84.6	86.1	87.7	87.7	89.1	89.5	89.5	90.5	91.3	91.4	92.8	92.8	93.9	94.0
IV 200	81.3	83.8	85.7	87.2	89.0	89.0	90.9	91.2	91.2	92.0	92.9	93.0	93.9	93.9	94.8	94.8
IV 100	81.3	83.8	85.7	87.2	89.0	89.0	90.9	91.3	91.3	92.4	94.3	94.4	96.6	96.7	98.7	99.1
IV 0	81.3	83.8	85.7	87.2	89.0	89.0	90.9	91.3	91.3	92.5	94.4	94.5	96.8	96.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

20210 FIRST STEPS IN DATA COLLECT

37-66

YEARS

CT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0900

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.5	31.8	31.1	32.2	32.3	32.4	33.1
≥ 20000	32.0	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	33.2	33.4	33.5	33.9	34.0	34.5	34.8
IV 18000	32.0	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	33.2	33.5	33.5	33.9	34.0	34.5	34.8
IV 16000	32.0	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	33.2	33.5	33.5	33.9	34.0	34.5	34.8
IV 14000	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	34.3	34.6	34.6	34.9	35.1	35.6	35.9
IV 12000	34.6	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	35.2	35.6	35.6	35.9	36.0	36.6	36.9
IV 10000	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.9	39.2	39.2	39.6	39.7	40.2	40.5
IV 9000	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.9	41.2	41.2	41.5	41.6	42.3	42.6
IV 8000	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	44.1	44.4	44.4	44.7	44.8	45.5	45.8
IV 7000	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	48.1	48.4	48.4	48.7	48.8	49.5	49.8
IV 6000	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	48.1	48.4	48.4	48.7	48.8	49.5	49.8
IV 5000	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.7	50.0	50.0	50.3	50.4	51.1	51.4
IV 4500	49.2	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.4	50.8	50.8	51.1	51.2	51.8	52.2
IV 4000	52.3	52.7	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.8	54.1	54.1	54.6	54.7	55.2	55.5
IV 3500	53.2	53.7	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.9	55.3	55.3	55.6	55.7	56.3	56.7
IV 3000	56.8	57.3	57.7	58.0	58.5	58.5	58.6	58.6	58.6	59.1	59.6	59.6	60.0	60.1	60.8	61.1
IV 2500	58.9	59.5	59.9	60.1	60.6	60.6	60.8	60.8	60.8	61.3	61.7	61.7	62.2	62.3	62.9	63.2
IV 2000	60.9	61.6	62.3	62.7	63.7	63.7	64.2	64.3	64.3	64.8	65.4	65.4	65.8	65.9	66.6	66.9
IV 1800	61.5	62.3	62.9	63.3	64.4	64.4	64.9	65.1	65.1	65.6	66.1	66.1	66.6	66.7	67.3	67.6
IV 1500	66.5	67.5	68.5	69.0	70.4	70.5	71.1	71.5	71.5	72.2	72.7	72.7	73.1	73.2	73.9	74.2
IV 1200	69.5	70.6	71.6	72.4	73.8	73.9	74.4	74.8	74.8	75.7	76.2	76.2	76.7	76.8	77.4	77.7
IV 1000	73.0	74.3	75.5	76.2	77.8	78.0	78.7	79.4	79.4	81.0	81.8	81.8	82.5	82.6	83.2	83.5
IV 900	73.5	74.8	76.0	76.9	78.5	78.6	79.4	80.0	80.0	81.6	82.5	82.5	83.1	83.2	83.9	84.2
IV 800	74.3	75.6	76.8	77.6	79.2	79.6	80.4	81.0	81.0	82.6	83.5	83.5	84.3	84.4	85.3	85.6
IV 700	74.4	75.8	77.1	78.0	79.7	79.8	80.8	81.4	81.4	83.2	84.2	84.2	85.2	85.3	85.9	86.2
IV 600	75.5	75.9	76.2	79.0	80.9	81.0	82.0	82.7	82.7	84.7	85.7	85.7	86.7	86.8	87.4	87.7
IV 500	76.9	78.6	80.0	80.9	82.8	82.9	84.2	84.8	84.8	86.9	88.1	88.1	89.4	89.5	90.1	90.4
IV 400	78.0	79.9	81.4	82.3	84.3	84.4	85.8	86.5	86.5	88.8	90.1	90.1	91.4	91.5	92.5	92.8
IV 300	78.4	80.4	82.0	82.9	85.3	85.4	86.8	87.4	87.4	90.0	91.5	91.5	93.2	93.3	94.3	94.6
IV 200	78.8	81.3	83.0	83.9	86.3	86.5	88.1	88.8	88.8	92.5	94.2	94.2	96.3	96.4	97.5	98.3
IV 100	78.8	81.4	83.1	84.0	86.5	86.6	88.2	88.9	88.9	92.6	94.4	94.4	97.1	97.3	98.4	99.1
IV 0	78.8	81.4	83.1	84.0	86.5	86.6	88.2	88.9	88.9	92.7	94.5	94.5	97.2	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 945



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

24210 STATION FORT STUBBS, WYOMING

37-66

YEARS

CT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	31.1	37.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.5	32.6	32.6	32.7	32.7	33.2	33.3
IV 18000	36.2	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	37.1	37.2	37.2	37.3	37.3	37.8	38.0
IV 16000	36.2	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	37.1	37.2	37.2	37.3	37.3	37.8	38.0
IV 14000	37.0	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.8	38.0	38.0	38.1	38.1	38.6	38.7
IV 12000	39.0	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.8	40.0	40.0	40.1	40.1	40.6	40.8
IV 10000	41.9	42.6	42.6	42.6	42.6	42.7	42.7	42.7	42.7	43.0	43.1	43.1	43.2	43.2	43.6	43.9
IV 9000	44.7	45.4	45.4	45.4	45.4	45.5	45.6	45.6	45.6	45.9	46.0	46.0	46.1	46.1	46.6	47.0
IV 8000	48.5	49.1	49.1	49.1	49.1	49.2	49.4	49.4	49.4	49.7	49.8	49.8	50.0	50.0	50.6	50.9
IV 7000	49.9	50.5	50.5	50.5	50.6	50.7	50.9	50.9	50.9	51.2	51.3	51.3	51.5	51.5	52.3	52.4
IV 6000	50.6	51.3	51.3	51.3	51.4	51.5	51.6	51.6	51.6	51.9	52.0	52.0	52.3	52.3	53.0	53.1
IV 5000	51.3	52.0	52.0	52.0	52.3	52.4	52.6	52.7	52.7	53.0	53.1	53.1	53.3	53.3	54.1	54.2
IV 4500	51.4	52.2	52.2	52.2	52.4	52.5	52.7	52.8	52.8	53.1	53.2	53.2	53.4	53.4	54.2	54.3
IV 4000	54.2	54.9	54.9	54.9	55.2	55.4	55.6	55.7	55.7	56.0	56.1	56.1	56.3	56.3	57.1	57.2
IV 3500	54.9	55.8	55.8	55.8	56.0	56.2	56.5	56.6	56.6	57.0	57.1	57.1	57.3	57.3	58.1	58.2
IV 3000	58.4	59.2	59.6	59.7	60.1	60.3	60.5	60.6	60.6	61.1	61.2	61.2	61.4	61.4	62.2	62.3
IV 2500	59.6	60.6	61.0	61.1	61.6	61.8	62.2	62.3	62.3	62.7	62.8	62.8	63.0	63.0	63.8	63.9
IV 2000	63.8	64.7	65.1	65.3	66.0	66.2	66.6	66.8	66.8	67.2	67.3	67.3	67.5	67.5	68.3	68.4
IV 1800	63.8	64.7	65.1	65.3	66.1	66.3	66.7	66.9	66.9	67.3	67.4	67.4	67.6	67.6	68.4	68.5
IV 1500	68.8	69.9	70.2	70.4	71.4	71.6	72.3	73.0	73.0	73.9	74.0	74.0	74.3	74.3	75.1	75.2
IV 1200	71.6	73.1	73.4	73.7	75.2	75.4	76.1	76.9	76.9	77.7	77.8	77.8	78.3	78.3	79.0	79.1
IV 1000	72.4	77.1	77.4	77.8	79.6	79.8	80.6	81.5	81.5	82.9	83.2	83.2	83.7	83.7	84.4	84.5
IV 900	76.6	78.4	78.7	79.1	80.9	81.1	82.0	82.9	82.9	84.5	84.9	84.9	85.4	85.4	86.1	86.2
IV 800	78.2	80.0	80.4	81.0	82.7	82.9	84.2	85.2	85.2	87.0	87.7	87.7	88.4	88.4	89.1	89.2
IV 700	79.2	81.2	81.6	82.2	84.1	84.3	85.7	86.6	86.6	88.5	89.2	89.2	90.0	90.0	90.8	90.9
IV 600	79.7	81.9	82.5	83.0	85.2	85.4	86.8	87.7	87.7	89.8	90.8	90.8	91.6	91.6	92.5	92.6
IV 500	80.8	83.1	83.8	84.3	86.0	86.8	88.7	89.7	89.7	91.7	92.7	92.7	93.7	93.7	94.7	94.8
IV 400	81.6	84.2	84.8	85.4	87.6	87.8	90.0	91.2	91.2	93.4	94.4	94.4	95.5	95.5	96.6	96.7
IV 300	81.9	84.5	85.4	86.0	88.4	88.6	91.0	92.2	92.2	94.6	95.6	95.6	96.9	96.9	98.2	98.3
IV 200	81.9	84.7	85.6	86.2	88.9	89.1	91.6	92.8	92.8	95.4	96.3	96.3	97.7	97.7	99.1	99.2
IV 100	81.9	84.7	85.6	86.2	88.9	89.1	91.6	92.8	92.8	95.5	96.5	96.5	98.1	98.1	99.9	100.0
IV 0	81.9	84.7	85.6	86.2	88.9	89.1	91.6	92.8	92.8	95.5	96.5	96.5	98.1	98.1	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 940

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

20210 FORT STIMPSON, NWT DIST  
STATION NAME

57-66

YEARS

CT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400  
MOON (L.V.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	30.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.6	36.6	36.6
IV 18000	41.2	41.4	41.4	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.6	41.6	41.6
IV 16000	41.5	41.7	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.9	41.9	41.9
IV 14000	42.3	42.5	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.7	42.7	42.7
IV 12000	44.1	44.3	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.5
IV 10000	47.6	47.8	47.8	47.8	48.0	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.3	48.3	48.3
IV 9000	50.3	50.5	50.5	50.5	50.6	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9	51.0	51.0	51.1
IV 8000	52.9	53.1	53.1	53.1	53.2	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.5	53.5	53.7
IV 7000	53.8	54.0	54.0	54.0	54.1	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.4	54.4	54.5
IV 6000	54.3	54.6	54.6	54.6	54.7	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	55.1	55.1	55.2
IV 5000	55.5	55.8	55.8	55.8	55.9	56.0	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.3	56.3	56.5
IV 4500	56.0	56.3	56.3	56.3	56.5	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.9	56.9	57.0
IV 4000	57.5	57.8	57.8	57.8	58.0	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.4	58.4	58.5
IV 3500	58.4	58.7	58.7	58.7	58.8	58.9	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.2	59.2	59.4
IV 3000	62.6	63.1	63.1	63.2	63.3	63.4	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.8	63.8	63.9
IV 2500	66.1	66.7	66.7	66.8	66.9	67.0	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.4	67.4	67.5
IV 2000	70.0	70.6	70.6	71.0	71.2	71.3	71.3	71.6	71.6	72.0	72.0	72.0	72.2	72.2	72.2	72.3
IV 1800	70.4	71.1	71.2	71.4	71.7	71.8	72.3	72.4	72.4	72.9	72.9	72.9	73.0	73.0	73.0	73.1
IV 1500	72.3	72.6	72.6	72.6	72.7	72.7	72.7	72.8	72.8	72.9	72.9	72.9	72.9	73.0	73.0	73.1
IV 1200	78.1	78.9	79.0	79.5	80.1	80.2	80.6	81.1	81.1	81.9	82.2	82.2	82.3	82.3	82.3	82.4
IV 1000	81.7	83.1	83.4	83.9	84.5	84.6	85.1	85.5	85.5	86.6	87.1	87.1	87.2	87.2	87.2	87.3
IV 900	82.4	84.1	84.5	84.9	85.6	85.7	86.1	86.6	86.6	87.7	88.3	88.3	88.4	88.4	88.4	88.5
IV 800	84.2	86.0	86.7	87.1	88.2	88.3	88.8	89.4	89.4	90.9	91.6	91.6	91.7	91.7	91.7	91.8
IV 700	86.0	87.8	88.5	88.9	90.0	90.1	90.6	91.2	91.2	92.8	93.5	93.5	93.9	93.9	93.9	94.0
IV 600	86.9	88.9	89.6	90.0	91.1	91.2	91.9	92.5	92.5	94.1	95.2	95.2	95.8	95.8	95.8	95.9
IV 500	88.4	90.4	91.1	91.5	92.7	92.8	93.3	94.1	94.1	95.8	96.9	96.9	97.2	97.2	97.2	97.3
IV 400	89.0	91.1	91.7	92.3	93.5	93.6	94.6	95.2	95.2	97.0	98.1	98.1	98.5	98.5	98.5	98.6
IV 300	89.1	91.2	91.8	92.4	93.7	93.9	94.7	95.3	95.3	97.3	98.4	98.4	99.0	99.0	99.0	99.1
IV 200	89.2	91.4	92.0	92.8	94.1	94.3	95.2	95.9	95.9	97.8	98.9	98.9	99.6	99.6	99.7	99.8
IV 100	89.2	91.4	92.0	92.8	94.1	94.3	95.2	95.9	95.9	98.1	99.1	99.1	99.8	99.8	99.9	100.0
IV 0	89.2	91.4	92.0	92.8	94.1	94.3	95.2	95.9	95.9	98.1	99.1	99.1	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/14C

# CEILING VERSUS VISIBILITY

26710 H. T. STATION UNIT UNIT

57-66

YEARS

CT

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-1700

CEILING FEET	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 0
NO CEILING ≥ 20000	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
IV 18000	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.0
IV 16000	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.3
IV 14000	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.4
IV 12000	44.0	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.2
IV 10000	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8
IV 9000	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3
IV 8000	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.9
IV 7000	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.8
IV 6000	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.1
IV 5000	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.3
IV 4500	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.0
IV 4000	59.3	59.3	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.8
IV 3500	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.6
IV 3000	64.1	64.2	64.2	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.8
IV 2500	68.4	68.5	68.5	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.1
IV 2000	72.7	73.5	73.5	73.8	73.9	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.9
IV 1800	72.9	73.8	73.8	74.1	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	75.3
IV 1500	78.0	79.1	79.2	79.7	79.8	79.9	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	81.3
IV 1200	80.4	81.8	81.9	82.6	82.6	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.6
IV 1000	84.9	86.6	86.7	87.3	87.3	87.6	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	90.0
IV 900	85.5	87.1	87.2	87.8	88.1	88.2	88.2	88.9	88.9	88.9	88.9	88.9	88.9	88.9	90.6
IV 800	88.2	88.2	88.3	88.9	89.2	89.4	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	92.6
IV 700	88.5	90.3	90.5	91.2	91.5	91.6	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	95.1
IV 600	91.1	91.1	91.3	91.9	92.3	92.4	92.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	96.0
IV 500	92.0	92.0	92.3	92.9	93.3	93.4	93.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	97.5
IV 400	92.6	92.6	92.8	93.4	93.9	94.0	94.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	98.3
IV 300	92.9	93.1	93.1	93.8	94.3	94.4	94.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	98.9
IV 200	93.0	93.2	93.2	94.0	94.5	94.6	95.1	96.0	96.0	96.0	96.0	96.0	96.0	96.0	99.5
IV 100	93.0	93.0	93.2	94.0	94.6	94.7	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	100.0
IV 0	93.0	93.0	93.2	94.0	94.6	94.7	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 940

DATA PROCESSING DIVISION  
USAF ETAC  
AIR CRAFT SERVICE/TAC

# CEILING VERSUS VISIBILITY

STATION 24216 ILLINOIS AIRPORT STATION NAME

57-46

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1957-1960

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 18000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 16000	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 14000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 12000	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 10000	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 9000	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2
IV 8000	53.2	53.2	53.2	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7
IV 7000	56.1	56.1	56.1	56.2	56.2	56.2	56.3	56.6	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8
IV 6000	56.6	56.6	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.3	57.3	57.3
IV 5000	59.6	59.6	59.7	59.8	59.9	60.0	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4
IV 4500	60.3	60.3	60.5	60.6	60.8	60.9	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.3
IV 4000	62.3	62.3	62.5	62.7	62.8	62.9	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.3
IV 3500	63.5	63.5	63.8	64.0	64.1	64.2	64.4	64.4	64.4	64.4	64.7	64.7	64.7	64.8	64.8	64.8
IV 3000	65.8	65.8	66.1	66.3	66.6	66.7	67.2	67.3	67.3	67.3	67.8	67.8	67.8	68.0	68.0	68.0
IV 2500	69.4	69.4	69.6	70.1	70.3	70.4	71.0	71.1	71.1	71.1	71.8	71.8	71.8	71.9	71.9	71.9
IV 2000	71.7	71.7	72.5	72.8	73.1	73.2	73.6	73.9	73.9	73.9	74.8	74.9	74.9	75.1	75.1	75.1
IV 1800	72.2	72.4	72.9	73.2	73.3	73.7	74.2	74.3	74.3	74.3	75.3	75.4	75.4	75.5	75.5	75.5
IV 1500	75.7	75.2	76.8	77.3	77.6	77.7	78.2	78.4	78.4	78.4	79.4	79.5	79.5	79.6	79.6	79.6
IV 1200	78.1	78.7	79.2	79.8	80.2	80.3	81.0	81.2	81.2	81.2	82.3	82.4	82.4	82.5	82.5	82.5
IV 1000	82.2	83.0	83.7	84.2	84.6	84.7	85.7	85.7	85.7	85.9	87.4	87.6	87.6	87.7	87.7	87.7
IV 900	85.2	85.3	86.0	86.8	87.3	87.4	88.4	88.6	88.6	88.6	90.1	90.1	90.1	90.6	90.6	90.6
IV 800	86.3	86.3	86.8	87.3	87.3	87.4	88.4	88.6	88.6	88.6	90.1	90.1	90.1	90.6	90.6	90.6
IV 700	85.4	86.3	87.1	88.0	88.5	88.6	89.7	89.9	89.9	89.9	91.5	91.9	91.9	92.3	92.3	92.3
IV 600	86.6	87.6	88.4	89.2	89.8	89.9	91.0	91.2	91.2	91.2	92.8	93.4	93.4	93.8	93.8	93.8
IV 500	87.4	88.6	89.5	90.3	90.9	91.0	92.0	92.3	92.3	92.3	93.9	94.5	94.5	95.2	95.3	95.3
IV 400	88.2	89.7	90.5	91.4	91.9	92.0	93.1	93.3	93.3	93.3	94.9	95.7	95.7	96.3	96.3	96.3
IV 300	90.0	91.3	92.3	93.1	93.9	94.0	95.1	95.4	95.4	95.4	97.1	97.8	97.8	98.7	98.8	98.8
IV 200	90.0	91.3	92.3	93.1	93.9	94.0	95.1	95.4	95.4	95.4	97.1	97.8	97.8	98.7	98.8	98.8
IV 100	90.0	91.3	92.3	93.1	93.9	94.0	95.1	95.4	95.4	95.4	97.1	97.8	97.8	98.7	98.8	98.8
IV 0	90.0	91.3	92.3	93.1	93.9	94.0	95.1	95.4	95.4	95.4	97.1	97.8	97.8	98.7	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 920



DATA PROCESSING DIVISION  
SAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 2041 POINT STOPS IN DWT LUT

57-66

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING	45.4	45.4	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	47.1	47.1	47.1	47.1
≥ 20000	46.2	46.9	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.6	47.6	47.6	47.6
IV 18000	46.3	47.0	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.7	47.7	47.7	47.7
IV 16000	46.4	47.0	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.7	47.7	47.7	47.7
IV 14000	46.9	47.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	48.0	48.0	48.0	48.2	48.2	48.2	48.2
IV 12000	47.0	47.9	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.6	48.6	48.6	48.6
IV 10000	49.4	50.3	50.6	50.6	50.8	50.8	51.1	51.2	51.2	51.3	51.3	51.3	51.6	51.6	51.6	51.6
IV 9000	50.4	51.4	51.7	51.7	52.0	52.0	52.3	52.4	52.4	52.6	52.6	52.6	52.8	52.8	52.8	52.8
IV 8000	52.4	53.4	53.7	53.7	54.0	54.0	54.7	54.8	54.8	54.9	54.9	54.9	55.1	55.1	55.1	55.1
IV 7000	53.2	56.2	56.6	56.6	56.9	56.9	57.4	57.9	57.9	58.1	58.1	58.1	58.3	58.3	58.3	58.3
IV 6000	56.0	57.1	57.4	57.4	57.8	57.8	58.7	58.8	58.8	59.0	59.0	59.0	59.2	59.2	59.2	59.2
IV 5000	58.4	59.8	60.1	60.2	60.6	60.6	61.4	61.6	61.6	62.0	62.0	62.0	62.3	62.3	62.3	62.3
IV 4500	58.9	60.2	60.6	60.7	61.0	61.0	61.9	62.0	62.0	62.4	62.4	62.4	62.8	62.8	62.8	62.8
IV 4000	61.7	63.0	63.3	63.4	63.9	63.9	64.9	65.0	65.0	65.6	65.6	65.6	65.9	65.9	65.9	65.9
IV 3500	62.6	64.0	64.3	64.6	65.0	65.0	66.1	66.2	66.2	66.8	66.8	66.8	67.1	67.1	67.1	67.1
IV 3000	64.7	66.6	66.9	67.6	68.1	68.1	69.3	69.6	69.6	70.1	70.1	70.1	70.4	70.4	70.4	70.4
IV 2500	66.0	69.2	69.6	69.2	69.8	69.8	71.2	71.4	71.4	72.0	72.3	72.3	72.7	72.7	72.7	72.7
IV 2000	68.4	70.7	71.1	71.8	72.4	72.4	74.1	74.7	74.7	75.8	76.2	76.2	76.6	76.6	76.6	76.6
IV 1800	69.8	72.2	72.7	73.3	74.0	74.0	75.7	76.2	76.2	77.3	77.8	77.8	78.1	78.1	78.1	78.1
IV 1500	71.6	74.2	74.6	75.4	76.6	76.6	78.4	79.1	79.1	80.3	80.9	80.9	81.3	81.3	81.3	81.3
IV 1200	74.4	77.7	78.0	78.7	79.8	79.8	81.7	82.3	82.3	83.8	84.3	84.3	84.9	84.9	84.9	84.9
IV 1000	77.4	81.0	81.8	82.4	83.6	83.6	85.6	86.2	86.2	88.1	88.9	88.9	89.4	89.4	89.4	89.4
IV 900	78.3	81.9	82.7	83.3	84.4	84.4	86.4	87.1	87.1	89.2	90.1	90.1	90.7	90.7	90.7	90.7
IV 800	79.2	82.8	83.6	84.2	85.3	85.3	87.3	88.0	88.0	90.1	91.1	91.1	91.7	91.7	91.7	91.7
IV 700	79.7	83.2	84.0	84.7	85.8	85.8	87.8	88.4	88.4	90.6	91.6	91.6	92.1	92.1	92.2	92.2
IV 600	80.4	84.1	84.9	85.6	86.7	86.7	88.7	89.3	89.3	91.6	92.6	92.6	93.1	93.1	93.2	93.2
IV 500	81.6	85.2	86.0	86.7	87.8	87.8	89.8	90.4	90.4	92.8	93.8	93.8	94.6	94.6	94.8	94.8
IV 400	83.0	86.8	87.7	88.3	89.4	89.4	91.4	92.1	92.1	94.4	95.4	95.4	96.6	96.6	96.9	96.9
IV 300	83.4	87.2	88.1	88.8	90.1	90.1	92.1	92.8	92.8	95.2	96.2	96.2	97.6	97.6	97.9	97.9
IV 200	84.0	87.8	88.7	89.3	90.8	90.8	92.9	93.6	93.6	96.1	97.1	97.1	98.6	98.6	98.9	98.9
IV 100	84.0	87.8	88.7	89.3	90.8	90.8	93.1	93.8	93.8	96.6	97.7	97.7	99.2	99.2	99.7	99.7
IV 0	84.0	87.8	88.7	89.3	90.8	90.8	93.1	93.8	93.8	96.6	97.7	97.7	99.2	99.2	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26210 1111 STIMPSON AFB DUT STATION NAME

57-66

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0100-0800

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	44.7	44.2	44.0	44.7	44.0	44.0	43.0	45.1	45.0	45.6	45.7	45.7	46.2	46.2	46.2	46.2
IV 2500	44.9	44.4	44.9	45.0	45.1	45.1	45.3	45.3	45.3	45.9	46.0	46.0	46.0	46.6	46.6	46.6
IV 1800	44.1	44.7	45.1	45.2	45.3	45.3	45.6	45.5	45.6	46.1	46.2	46.2	46.8	46.8	46.8	46.8
IV 1600	44.4	44.9	45.3	45.4	45.6	45.6	45.6	45.8	45.8	46.3	46.4	46.4	47.0	47.0	47.0	47.0
IV 1400	44.4	45.0	45.4	45.5	45.7	45.7	45.9	45.9	45.9	46.4	46.6	46.6	47.1	47.1	47.1	47.1
IV 1200	44.7	45.4	45.9	46.1	46.2	46.2	46.7	46.7	46.7	47.2	47.3	47.3	47.9	47.9	47.9	47.9
IV 1000	47.0	47.8	48.2	48.4	48.6	48.6	49.1	49.2	49.2	49.8	49.9	49.9	50.4	50.4	50.4	50.4
IV 900	48.3	49.1	49.6	50.0	50.1	50.1	50.7	50.8	50.8	51.3	51.4	51.4	52.0	52.0	52.0	52.0
IV 800	50.0	50.6	51.2	51.7	51.8	51.8	52.4	52.7	52.7	53.2	53.3	53.3	53.9	53.9	53.9	53.9
IV 700	53.3	54.3	54.8	55.3	55.4	55.4	56.1	56.3	56.3	56.9	57.0	57.0	57.6	57.6	57.6	57.6
IV 600	54.4	55.4	55.9	56.4	56.7	56.7	57.3	57.6	57.6	58.1	58.2	58.2	58.8	58.8	58.8	58.8
IV 500	56.2	57.2	57.7	58.4	58.7	58.7	59.3	59.6	59.6	60.1	60.2	60.2	60.8	60.8	60.8	60.8
IV 450	57.2	58.3	58.8	59.6	59.8	59.8	60.4	60.7	60.7	61.2	61.3	61.3	61.9	61.9	61.9	61.9
IV 400	59.8	61.1	61.7	62.6	63.2	63.2	63.9	64.1	64.1	64.7	64.8	64.8	65.3	65.3	65.3	65.3
IV 350	61.3	62.7	63.2	64.1	64.8	64.8	65.4	65.7	65.7	66.2	66.3	66.3	66.9	66.9	66.9	66.9
IV 300	63.0	64.7	65.3	66.4	67.4	67.4	68.2	68.6	68.6	69.1	69.2	69.2	69.8	69.8	69.8	69.8
IV 250	63.9	65.7	66.3	67.4	68.7	68.7	69.9	70.2	70.2	70.9	71.1	71.1	71.7	71.7	71.7	71.7
IV 200	66.7	68.6	69.3	70.6	72.3	72.3	73.9	74.6	74.6	75.2	75.6	75.6	76.3	76.3	76.3	76.3
IV 180	67.2	69.2	70.0	71.2	73.0	73.0	74.6	75.2	75.2	75.9	76.2	76.2	77.0	77.0	77.0	77.0
IV 160	70.0	72.1	73.1	74.3	76.6	76.6	78.1	79.1	79.1	80.2	80.6	80.6	81.3	81.3	81.3	81.3
IV 140	71.6	73.9	74.9	76.2	78.4	78.4	80.2	81.3	81.3	82.6	82.9	82.9	83.9	83.9	83.9	83.9
IV 120	73.6	75.3	77.4	79.1	81.4	81.4	83.7	84.8	84.8	87.1	87.4	87.4	88.6	88.6	88.6	88.6
IV 100	74.6	77.3	78.4	80.1	82.4	82.4	84.7	85.8	85.8	88.1	88.6	88.6	89.8	89.8	89.8	89.8
IV 90	75.6	78.3	79.4	81.2	83.6	83.6	86.0	87.1	87.1	89.4	89.9	89.9	91.1	91.1	91.1	91.1
IV 80	76.3	79.1	80.2	82.0	84.3	84.3	86.8	87.9	87.9	90.4	90.9	90.9	92.1	92.1	92.1	92.1
IV 70	77.4	80.2	81.3	83.1	85.6	85.6	88.0	89.1	89.1	91.8	92.2	92.2	93.4	93.4	93.4	93.4
IV 60	78.1	80.9	82.0	83.8	86.4	86.4	88.9	90.0	90.0	92.7	93.1	93.1	94.4	94.4	94.4	94.4
IV 50	79.2	82.1	83.2	85.0	87.7	87.7	90.1	91.2	91.2	93.9	94.4	94.4	95.9	95.9	95.9	95.9
IV 40	79.7	82.6	83.8	85.6	88.4	88.4	90.9	92.0	92.0	95.0	95.6	95.6	97.2	97.2	97.2	97.2
IV 30	80.2	83.7	85.1	86.9	89.8	89.8	92.7	93.8	93.8	97.2	98.0	98.0	99.8	99.8	99.8	99.8
IV 20	80.2	83.7	85.1	86.9	89.8	89.8	92.7	93.8	93.8	97.2	98.1	98.1	99.9	99.9	99.9	99.9
IV 10	80.2	83.7	85.1	86.9	89.8	89.8	92.7	93.8	93.8	97.2	98.1	98.1	99.9	99.9	99.9	99.9
IV 0	80.2	83.7	85.1	86.9	89.8	89.8	92.7	93.8	93.8	97.2	98.1	98.1	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 200

DATA PROCESSING DIVISION  
USAF ETAC  
AFB EATON SERVICE/NAO

# CEILING VERSUS VISIBILITY

20710 1001 ST. LOUIS MO 1001 ST. LOUIS MO

27-66

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0900

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	38.3	38.7	38.8	38.8	38.8	38.8	39.2	39.3	39.3	40.1	40.1	40.3	40.7	40.7	41.0	41.7
IV 18000	40.0	40.3	40.4	40.4	40.4	40.4	40.9	41.0	41.0	41.9	41.9	42.1	42.4	42.4	42.8	42.8
IV 16000	40.0	40.3	40.4	40.4	40.4	40.4	40.9	41.0	41.0	41.9	41.9	42.1	42.4	42.4	42.8	42.8
IV 14000	40.0	40.3	40.4	40.4	40.4	40.4	40.9	41.0	41.0	41.9	41.9	42.1	42.4	42.4	42.8	42.8
IV 12000	40.0	40.3	40.4	40.4	40.4	40.4	40.9	41.0	41.0	41.9	41.9	42.1	42.4	42.4	42.8	42.8
IV 10000	42.0	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.9	44.9	44.9	45.1	45.4	45.4	45.8
IV 9000	43.8	44.2	44.3	44.3	44.3	44.3	45.1	45.2	45.2	45.2	46.2	46.4	46.8	46.8	47.1	47.1
IV 8000	46.7	47.0	47.1	47.1	47.1	47.1	48.0	48.2	48.2	49.2	49.2	49.4	49.8	49.8	50.1	50.1
IV 7000	53.0	53.3	53.6	53.6	53.6	53.6	54.6	54.8	54.8	55.8	55.8	56.3	56.3	56.3	56.7	56.7
IV 6000	53.9	54.2	54.4	54.4	54.4	54.4	55.4	55.7	55.7	56.7	56.7	56.8	57.2	57.2	57.6	57.6
IV 5000	56.4	56.8	57.0	57.1	57.1	57.1	58.1	58.3	58.3	59.3	59.3	59.6	59.9	59.9	60.2	60.2
IV 4500	57.3	57.7	57.9	58.0	58.0	58.0	59.0	59.2	59.2	60.2	60.2	60.4	60.8	60.8	61.1	61.1
IV 4000	59.7	60.2	60.4	60.7	60.7	60.7	61.9	62.1	62.1	63.2	63.2	63.4	63.8	63.8	64.1	64.1
IV 3500	60.7	61.2	61.6	61.8	61.8	61.8	63.0	63.2	63.2	64.3	64.3	64.6	64.9	64.9	65.2	65.2
IV 3000	61.9	62.7	63.0	63.3	63.6	63.6	64.8	65.1	65.1	66.4	66.6	66.8	67.1	67.1	67.4	67.4
IV 2500	64.7	65.6	66.1	66.8	67.0	67.0	68.3	68.7	68.7	70.2	70.3	70.4	70.9	70.9	71.2	71.2
IV 2000	66.6	67.8	68.3	69.3	70.1	70.1	71.9	72.2	72.2	74.0	74.2	74.6	74.8	74.8	75.1	75.1
IV 1800	67.2	68.4	69.0	70.0	70.8	70.8	72.6	72.9	72.9	74.8	75.0	75.3	75.6	75.6	75.9	75.9
IV 1500	69.1	70.6	71.3	72.4	73.4	73.4	75.4	76.0	76.0	78.0	78.6	78.8	79.1	79.1	79.4	79.4
IV 1200	71.9	73.3	74.2	75.4	76.6	76.6	78.7	79.3	79.3	81.7	82.3	82.4	82.9	82.9	83.3	83.3
IV 1000	73.0	73.7	74.7	76.0	77.3	77.3	81.7	82.8	82.8	86.7	87.4	87.9	88.2	88.2	88.7	88.7
IV 900	74.1	75.2	77.2	78.6	79.9	79.9	82.3	83.4	83.4	87.6	88.4	88.9	89.3	89.3	89.8	89.8
IV 800	74.8	75.9	77.9	79.2	80.6	80.6	83.0	84.2	84.2	88.3	89.2	89.7	90.2	90.2	90.7	90.7
IV 700	75.7	77.9	78.9	80.2	81.6	81.6	84.0	85.2	85.3	89.6	90.4	90.9	91.6	91.6	92.0	92.1
IV 600	76.2	78.4	79.4	80.8	82.1	82.1	84.6	85.8	85.9	90.2	91.1	91.6	92.4	92.4	93.1	93.2
IV 500	77.4	79.7	80.8	82.3	83.7	83.7	86.1	87.3	87.4	91.8	92.7	93.1	94.3	94.3	95.1	95.1
IV 400	78.9	81.2	82.3	83.9	85.4	85.4	87.9	89.1	89.2	93.6	94.4	94.9	96.1	96.1	96.8	96.9
IV 300	79.1	81.7	82.8	84.4	86.0	86.0	88.4	89.7	89.8	94.1	95.0	95.6	96.8	96.8	97.7	97.8
IV 200	79.6	82.6	83.9	85.6	87.3	87.3	89.9	91.2	91.3	95.8	96.9	97.4	98.8	98.8	99.7	99.8
IV 100	79.6	82.6	83.9	85.6	87.3	87.3	89.9	91.2	91.3	95.8	96.9	97.4	98.8	98.8	99.7	99.9
IV 0	79.6	82.6	83.9	85.6	87.3	87.3	89.9	91.2	91.3	95.8	96.9	97.4	98.8	98.8	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

26310 FORT STIMPSON M.T. HHT  
STATION NAME

57-66  
YEARS

CV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-1100  
HOURS (GMT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.9	35.2	35.2	35.7	35.9	35.9	35.9	35.9	35.9	36.7	36.9	36.9	37.1	37.1	37.2	37.3
IV 20000	39.9	40.4	40.4	41.0	41.2	41.2	41.2	41.2	41.3	42.0	42.2	42.2	42.4	42.4	42.6	42.7
IV 18000	40.0	40.6	40.6	41.1	41.3	41.3	41.3	41.3	41.3	42.1	42.3	42.3	42.6	42.6	42.7	42.8
IV 16000	40.3	40.9	40.9	41.4	41.7	41.7	41.7	41.7	41.7	42.4	42.7	42.7	42.9	42.9	43.1	43.1
IV 14000	41.1	41.7	41.7	42.2	42.4	42.4	42.4	42.4	42.4	43.2	43.4	43.4	43.7	43.7	43.8	43.9
IV 12000	42.2	42.8	42.8	43.4	43.7	43.8	43.8	43.8	43.8	44.6	44.8	44.8	45.0	45.0	45.1	45.2
IV 10000	44.0	44.7	44.8	45.4	45.7	45.8	45.8	45.8	45.8	46.6	46.8	46.8	47.0	47.0	47.1	47.2
IV 9000	47.1	48.4	48.6	49.3	49.6	49.7	49.8	49.8	49.8	50.6	50.8	50.8	51.0	51.0	51.1	51.2
IV 8000	51.4	53.1	53.4	54.4	54.7	54.8	55.0	55.0	55.0	55.8	56.0	56.0	56.2	56.2	56.3	56.4
IV 7000	56.0	56.1	56.4	57.6	57.8	57.9	58.4	58.6	58.6	59.4	59.7	59.7	59.9	59.9	60.0	60.1
IV 6000	54.3	56.4	56.8	57.9	58.1	58.2	58.8	58.9	58.9	59.8	60.0	60.0	60.2	60.2	60.3	60.4
IV 5000	56.6	59.0	59.3	60.4	60.7	60.8	61.4	61.4	61.4	62.3	62.6	62.6	62.8	62.8	62.9	63.0
IV 4500	57.4	59.7	60.0	61.1	61.3	61.4	62.0	62.1	62.1	63.0	63.2	63.2	63.4	63.4	63.6	63.7
IV 4000	60.2	62.7	63.1	64.3	64.8	64.9	65.7	65.8	65.8	66.7	66.9	66.9	67.1	67.1	67.2	67.3
IV 3500	60.4	62.9	63.3	64.6	65.0	65.1	65.9	66.0	66.0	66.9	67.1	67.1	67.3	67.3	67.4	67.6
IV 3000	61.8	64.8	65.4	66.6	67.4	67.6	68.6	68.7	68.7	69.9	70.1	70.1	70.3	70.3	70.4	70.6
IV 2500	63.2	66.2	66.8	68.0	69.1	69.2	70.3	70.4	70.4	71.7	71.9	71.9	72.1	72.1	72.2	72.3
IV 2000	67.6	71.6	72.1	73.4	75.0	75.1	76.4	76.6	76.6	78.3	79.0	79.0	79.3	79.3	79.4	79.6
IV 1800	77.8	71.6	72.1	73.4	75.0	75.1	76.4	76.6	76.6	78.3	79.0	79.0	79.3	79.3	79.4	79.6
IV 1600	79.0	73.6	74.2	75.6	77.2	77.3	79.0	79.8	79.8	81.9	82.7	82.7	83.2	83.2	83.3	83.4
IV 1200	71.3	75.7	76.4	77.9	79.7	79.8	81.8	82.6	82.6	84.8	85.7	85.7	86.2	86.2	86.3	86.4
IV 1000	73.1	78.0	78.8	80.6	83.0	83.1	85.1	86.6	86.6	89.9	90.9	90.9	91.6	91.6	91.7	91.8
IV 900	74.1	79.0	79.8	81.6	84.0	84.1	86.1	87.6	87.6	90.9	91.9	91.9	92.6	92.6	92.7	92.8
IV 800	74.8	79.7	80.4	82.2	84.7	84.8	86.8	88.3	88.3	91.7	93.0	93.0	93.8	93.8	93.9	94.0
IV 700	75.1	80.0	80.8	82.0	85.1	85.2	87.2	88.9	88.9	92.3	93.9	93.9	94.7	94.7	94.8	94.9
IV 600	75.6	80.4	81.2	83.0	85.6	85.7	87.7	89.3	89.3	92.8	94.3	94.3	95.1	95.1	95.2	95.3
IV 500	75.8	80.9	81.7	83.4	86.0	86.1	88.1	89.8	89.8	93.2	94.8	94.8	95.8	95.8	96.2	96.5
IV 400	76.7	81.8	82.7	84.4	87.0	87.1	89.1	90.8	90.8	94.2	95.8	95.8	97.7	97.8	98.1	98.4
IV 300	76.8	82.0	82.9	84.7	87.2	87.3	89.4	91.2	91.2	94.9	96.6	96.6	98.6	98.7	99.2	99.7
IV 200	76.8	82.1	83.0	84.8	87.3	87.4	89.6	91.3	91.3	95.2	96.9	96.9	98.9	99.0	99.6	99.8
IV 100	76.8	82.1	83.1	84.9	87.4	87.6	89.7	91.4	91.4	95.3	97.0	97.1	99.1	99.2	99.8	100.0
IV 0	76.8	82.1	83.1	84.9	87.4	87.6	89.7	91.4	91.4	95.3	97.0	97.1	99.1	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

STATION NAME: FAIRBANKS, ALASKA

STATION NUMBER: 57-66

YEARS: 70

MONTH: 10

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS: 1500

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.2	42.3	42.3	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	42.9	42.9
IV 20000	46.4	46.4	46.4	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	47.1	47.1	47.1	47.1
IV 18000	46.4	47.1	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.7	47.7	47.7
IV 16000	46.4	47.1	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.7	47.7	47.7
IV 14000	46.4	47.4	47.4	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	48.0	48.0	48.0
IV 12000	48.6	49.3	49.3	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.9	49.9	49.9	49.9
IV 10000	51.7	52.6	53.0	53.2	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	54.0	54.0	54.0	54.0
IV 9000	56.1	57.6	57.9	58.3	58.7	58.7	58.8	58.9	58.9	58.9	58.9	58.9	59.2	59.2	59.2	59.2
IV 8000	59.4	61.3	61.8	62.2	62.6	62.6	62.7	62.8	62.8	62.8	62.8	62.8	63.1	63.1	63.1	63.1
IV 7000	62.0	64.0	64.6	65.0	65.3	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.9	65.9	65.9	65.9
IV 6000	64.4	66.4	67.3	67.8	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.8	68.8	68.8	68.8
IV 5000	64.9	67.3	67.9	68.3	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3
IV 4500	65.6	68.2	69.0	69.4	70.1	70.1	70.2	70.3	70.3	70.3	70.6	70.6	70.6	70.9	70.9	70.9
IV 4000	66.3	69.0	69.8	70.3	71.1	71.1	71.2	71.3	71.3	71.6	71.6	71.6	71.9	71.9	71.9	71.9
IV 3500	69.1	72.1	73.0	73.6	74.9	74.9	75.0	75.3	75.3	75.7	75.7	75.7	76.0	76.0	76.0	76.0
IV 3000	70.7	74.0	74.9	75.7	77.2	77.2	77.4	78.1	78.1	78.7	78.7	78.7	79.0	79.0	79.0	79.0
IV 2500	73.6	77.1	78.7	79.9	81.7	81.7	82.3	83.0	83.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3
IV 2000	76.0	79.9	81.7	82.9	84.8	84.8	85.4	86.3	86.3	87.3	87.3	87.3	88.0	88.0	88.0	88.0
IV 1800	78.0	81.9	83.7	84.9	87.0	87.0	87.8	88.7	88.7	89.8	90.0	90.0	90.4	90.4	90.4	90.4
IV 1600	82.0	85.9	87.7	88.9	91.0	91.0	92.1	93.0	93.0	94.3	94.8	94.8	95.4	95.4	95.4	95.4
IV 1400	84.1	86.0	87.8	89.0	91.2	91.2	92.3	93.2	93.2	94.8	95.2	95.2	95.9	95.9	95.9	95.9
IV 1200	82.3	85.2	88.0	89.2	91.4	91.4	92.6	93.4	93.4	95.0	95.4	95.4	96.2	96.2	96.2	96.2
IV 1000	82.8	86.7	88.4	89.7	91.9	91.9	93.0	93.9	93.9	95.4	96.0	96.0	96.8	96.8	96.8	96.8
IV 900	84.3	87.2	89.0	90.2	92.6	92.6	93.7	94.6	94.6	96.1	96.7	96.7	97.6	97.6	97.6	97.6
IV 800	84.0	87.9	89.7	90.9	93.2	93.2	94.4	95.3	95.3	96.9	97.7	97.7	98.6	98.6	98.6	98.6
IV 700	84.3	88.3	90.1	91.3	93.9	93.9	95.1	96.0	96.0	97.6	98.3	98.3	99.2	99.2	99.2	99.2
IV 600	84.7	88.8	90.6	91.8	94.3	94.3	95.6	96.4	96.4	98.1	98.9	98.9	99.8	99.8	99.8	99.8
IV 500	84.7	88.8	90.6	91.8	94.3	94.3	95.6	96.4	96.4	98.1	98.9	98.9	99.8	99.8	99.8	99.8
IV 400	84.7	88.8	90.6	91.8	94.3	94.3	95.6	96.4	96.4	98.1	98.9	98.9	99.8	99.8	99.8	99.8
IV 300	84.7	88.8	90.6	91.8	94.3	94.3	95.6	96.4	96.4	98.1	98.9	98.9	99.8	99.8	99.8	99.8
IV 200	84.7	88.8	90.6	91.8	94.3	94.3	95.6	96.4	96.4	98.1	98.9	98.9	99.8	99.8	99.8	99.8
IV 100	84.7	88.8	90.6	91.8	94.3	94.3	95.6	96.4	96.4	98.1	98.9	98.9	99.8	99.8	99.8	99.8
IV 0	84.7	88.8	90.6	91.8	94.3	94.3	95.6	96.4	96.4	98.1	98.9	98.9	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26210 FORT STEPHEN NW DOT  
STATION NAME

57-66

YEARS

CV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400-2000  
1600-1700

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.4	45.7	46.0	46.0	46.2	46.2	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV 20000	47.0	47.2	47.6	47.6	47.8	47.8	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 18000	47.0	47.2	47.6	47.6	47.8	47.8	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 16000	47.1	47.3	47.7	47.7	47.9	47.9	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 14000	47.7	47.9	48.2	48.2	48.4	48.4	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 12000	48.2	48.7	49.0	49.0	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 10000	51.0	51.9	52.2	52.2	52.4	52.4	52.6	52.6	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9
IV 9000	52.6	53.8	54.3	54.3	54.6	54.7	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 8000	54.7	56.1	56.7	56.7	56.9	57.0	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 7000	57.9	59.6	60.1	60.1	60.3	60.4	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 6000	58.4	60.2	60.8	60.8	61.0	61.1	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 5000	61.1	63.0	63.8	63.8	64.1	64.2	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 4500	61.1	63.1	63.9	64.0	64.3	64.4	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 4000	63.2	65.8	66.7	66.9	67.6	67.7	68.1	68.3	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7
IV 3500	65.0	67.6	68.6	68.8	69.4	69.6	70.0	70.2	70.2	70.6	70.7	70.7	70.7	70.7	70.7	70.7
IV 3000	68.1	70.8	71.8	72.1	73.0	73.1	73.6	73.9	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3
IV 2500	69.0	71.7	72.7	73.1	74.7	74.8	75.4	76.2	76.2	76.6	76.7	76.7	76.7	76.7	76.7	76.7
IV 2000	70.9	73.7	74.8	75.2	77.1	77.2	78.1	78.9	78.9	79.8	79.9	79.9	79.9	79.9	79.9	79.9
IV 1800	71.4	74.6	75.8	76.2	78.2	78.3	79.2	80.0	80.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1
IV 1500	73.4	77.0	78.3	78.8	80.8	80.9	82.1	83.0	83.0	84.1	84.4	84.4	84.4	84.4	84.4	84.4
IV 1200	76.2	79.6	80.9	81.3	83.3	83.4	84.9	86.0	86.0	87.7	88.0	88.2	88.2	88.2	88.2	88.2
IV 1000	79.4	82.6	84.1	84.6	86.6	86.7	88.1	89.2	89.2	91.7	92.6	92.6	92.6	92.6	92.6	92.6
IV 900	79.3	82.9	84.2	84.7	86.7	86.8	88.2	89.3	89.3	91.8	92.7	92.7	92.7	92.7	92.7	92.7
IV 800	79.4	83.6	84.9	85.4	87.6	87.7	89.1	90.2	90.2	92.7	93.8	93.8	93.8	93.8	93.8	93.8
IV 700	81.1	84.9	86.2	86.8	88.9	89.0	90.4	91.6	91.6	94.0	95.1	95.1	95.1	95.1	95.1	95.1
IV 600	82.4	86.2	87.6	88.1	90.2	90.3	91.8	92.9	92.9	95.3	96.4	96.4	96.4	96.4	96.4	96.4
IV 500	82.9	87.0	88.3	89.0	91.1	91.2	92.7	93.8	93.8	96.3	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	83.1	87.2	88.6	89.2	91.6	91.7	93.1	94.3	94.3	96.9	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	83.7	87.9	89.2	89.9	92.2	92.3	94.0	95.2	95.2	97.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	83.7	88.1	89.4	90.1	92.4	92.6	94.2	95.4	95.4	98.0	99.1	99.1	99.1	99.1	99.1	99.1
IV 100	83.7	88.1	89.4	90.1	92.4	92.6	94.2	95.4	95.4	98.0	99.1	99.1	99.1	99.1	99.1	99.1
IV 0	83.7	88.1	89.4	90.1	92.4	92.6	94.2	95.4	95.4	98.0	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

20710 STATION NAME: FORT SIMPSON, N.F. UNIT

17-66 YEARS

CV MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2104-2300 MONTH (C.F.)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 25000	46.3	47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 18000	47.7	48.4	48.9	48.9	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 16000	47.7	48.4	48.9	48.9	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 14000	48.0	49.1	49.3	49.3	49.7	49.7	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 12000	48.7	49.9	50.1	50.1	50.4	50.4	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 10000	51.7	52.1	53.2	53.2	53.6	53.9	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 9000	52.3	53.5	54.3	54.6	55.1	55.2	55.4	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 8000	53.8	55.8	56.2	56.4	57.0	57.1	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 7000	56.7	59.2	59.8	60.0	60.8	60.9	61.1	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 6000	57.8	60.9	61.4	61.7	62.4	62.6	62.8	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 5000	59.4	63.0	63.7	63.9	64.7	64.8	65.0	65.2	65.2	65.6	65.6	65.6	65.6	65.7	65.7	65.7
IV 4500	60.2	63.4	64.1	64.4	65.2	65.3	65.6	65.8	65.8	66.1	66.1	66.1	66.2	66.2	66.2	66.2
IV 4000	61.6	65.3	66.0	66.3	67.1	67.2	67.7	68.0	68.0	68.3	68.3	68.3	68.4	68.4	68.4	68.4
IV 3500	62.9	66.9	67.6	67.9	68.7	68.8	69.3	69.7	69.7	70.1	70.1	70.1	70.2	70.2	70.2	70.2
IV 3000	65.1	69.3	70.3	70.7	71.4	71.6	72.1	72.6	72.6	73.0	73.0	73.0	73.1	73.1	73.1	73.1
IV 2500	66.6	70.9	71.9	72.2	73.6	73.7	74.4	75.1	75.1	75.7	75.8	75.8	75.9	75.9	75.9	75.9
IV 2000	68.1	72.9	73.9	74.2	75.7	75.8	76.6	77.2	77.2	78.0	78.3	78.3	78.4	78.4	78.4	78.4
IV 1800	69.0	74.3	75.3	75.6	77.2	77.4	78.2	78.9	78.9	79.7	80.0	80.0	80.1	80.1	80.1	80.1
IV 1500	72.1	77.1	78.2	78.7	80.2	80.4	81.3	82.0	82.0	82.9	83.2	83.2	83.3	83.3	83.3	83.3
IV 1200	74.4	79.6	80.7	81.4	83.0	83.2	84.1	84.9	84.9	85.9	86.3	86.3	86.4	86.4	86.4	86.4
IV 1000	76.9	82.1	83.2	84.1	85.7	85.9	86.9	87.7	87.7	89.0	89.9	89.9	90.1	90.1	90.1	90.1
IV 900	77.1	82.4	83.6	84.4	86.0	86.2	87.3	88.1	88.1	89.4	90.3	90.3	90.7	90.7	90.7	90.7
IV 800	78.0	83.3	84.4	85.4	87.0	87.2	88.4	89.2	89.2	90.6	91.6	91.6	91.9	91.9	91.9	91.9
IV 700	79.4	84.8	85.9	86.9	88.4	88.7	89.9	90.7	90.7	92.0	93.0	93.1	93.4	93.4	93.4	93.4
IV 600	80.7	86.0	87.1	88.1	89.7	89.9	91.1	91.9	91.9	93.2	94.2	94.3	94.7	94.8	94.8	94.8
IV 500	81.6	87.1	88.2	89.3	90.4	91.1	92.3	93.1	93.1	94.6	95.7	95.8	96.1	96.2	96.3	96.3
IV 400	82.3	87.9	89.3	90.4	92.2	92.4	93.7	94.4	94.4	95.9	97.0	97.1	97.4	97.4	97.8	97.8
IV 300	83.2	88.9	90.3	91.4	93.2	93.4	94.7	95.4	95.4	97.0	98.1	98.2	98.6	98.7	99.0	99.0
IV 200	83.4	89.1	90.6	91.7	93.4	93.7	94.9	95.7	95.7	97.2	98.3	98.4	98.8	98.9	99.2	99.2
IV 100	83.4	89.1	90.6	91.7	93.4	93.7	94.9	95.7	95.7	97.3	98.4	98.5	99.1	99.2	99.5	99.5
IV 0	83.4	89.1	90.6	91.7	93.4	93.7	94.9	95.7	95.7	97.3	98.4	98.5	99.1	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AAC

# CEILING VERSUS VISIBILITY

26210 FLIGHT STATION DATA UNIT

57-66

YEARS

FC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

6000-0200

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	49.4	49.9	49.2	49.2	49.4	49.4	49.7	49.7	49.7	50.1	50.1	50.1	50.4	50.6	50.6	50.6
IV 18000	49.1	49.7	50.0	50.0	50.1	50.1	50.4	50.4	50.4	50.9	50.9	50.9	51.2	51.4	51.4	51.4
IV 16000	49.1	49.7	50.0	50.0	50.1	50.1	50.4	50.4	50.4	50.9	50.9	50.9	51.2	51.4	51.4	51.4
IV 14000	49.8	50.3	50.6	50.6	50.8	50.8	51.1	51.1	51.1	51.5	51.5	51.5	51.8	52.0	52.0	52.0
IV 12000	51.0	51.5	51.8	51.8	51.9	51.9	52.3	52.3	52.3	52.7	52.7	52.7	53.0	53.2	53.2	53.2
IV 10000	53.9	54.6	54.9	54.9	55.1	55.1	55.4	55.4	55.4	55.8	55.8	55.8	56.1	56.3	56.3	56.3
IV 9000	55.1	55.9	56.2	56.2	56.5	56.5	56.9	56.9	56.9	57.3	57.3	57.3	57.6	57.8	57.8	57.8
IV 8000	56.5	57.6	58.0	58.1	58.3	58.3	58.7	58.7	58.7	59.1	59.1	59.1	59.5	59.7	59.7	59.7
IV 7000	60.2	61.5	61.8	61.9	62.2	62.2	62.6	62.6	62.6	63.0	63.0	63.0	63.3	63.5	63.5	63.5
IV 6000	61.6	62.9	63.2	63.3	63.5	63.5	64.0	64.0	64.0	64.4	64.4	64.4	64.7	64.9	64.9	64.9
IV 5000	64.4	65.9	66.3	66.6	66.8	66.8	67.3	67.3	67.3	67.7	67.7	67.7	68.1	68.3	68.3	68.3
IV 4500	65.4	66.9	67.3	67.5	67.7	67.7	68.3	68.3	68.3	68.7	68.7	68.7	69.0	69.2	69.2	69.2
IV 4000	69.4	71.1	71.4	71.7	72.2	72.2	73.0	73.1	73.1	73.5	73.5	73.5	73.9	74.1	74.1	74.1
IV 3500	70.1	71.8	72.3	72.5	73.0	73.0	73.9	74.0	74.0	74.4	74.4	74.4	74.7	74.9	74.9	74.9
IV 3000	72.0	74.1	74.6	74.8	75.6	75.6	76.5	76.9	76.9	77.4	77.4	77.4	77.7	78.0	78.0	78.0
IV 2500	73.8	75.9	76.6	76.8	77.7	77.7	79.0	79.6	79.6	80.4	80.4	80.4	80.8	81.0	81.0	81.0
IV 2000	76.2	78.4	79.2	79.6	80.8	80.8	82.2	83.1	83.1	84.6	84.6	84.6	85.2	85.4	85.4	85.4
IV 1800	76.7	78.8	79.7	80.0	81.2	81.2	82.6	83.5	83.5	85.1	85.3	85.3	85.6	85.8	85.8	85.8
IV 1500	78.2	80.6	81.7	82.0	83.2	83.2	84.4	86.0	86.0	87.8	88.3	88.3	88.6	88.8	88.8	88.8
IV 1200	79.1	81.7	82.7	83.0	84.2	84.2	86.0	87.2	87.2	89.0	89.6	89.6	89.9	90.1	90.1	90.1
IV 1000	81.6	84.4	85.4	85.7	87.0	87.0	88.8	90.1	90.1	92.5	93.2	93.2	93.8	94.0	94.0	94.0
IV 900	82.0	84.9	86.0	86.3	87.6	87.6	89.5	90.8	90.8	93.1	93.9	93.9	94.4	94.7	94.7	94.7
IV 800	83.0	85.9	87.0	87.3	88.6	88.6	90.4	91.7	91.7	94.1	94.8	94.8	95.5	95.8	95.8	95.8
IV 700	84.0	86.9	88.0	88.3	89.6	89.6	91.5	92.8	92.8	95.2	96.1	96.1	96.8	97.1	97.1	97.1
IV 600	84.2	87.1	88.2	88.5	89.8	89.8	91.8	93.1	93.1	95.5	96.5	96.5	97.1	97.4	97.4	97.4
IV 500	84.9	87.8	88.9	89.2	90.5	90.5	92.6	93.9	93.9	96.3	97.6	97.6	98.3	98.6	98.6	98.6
IV 400	85.2	88.1	89.1	89.5	90.8	90.8	92.8	94.1	94.1	96.6	97.8	97.8	98.5	98.8	98.8	98.8
IV 300	85.5	88.4	89.5	89.8	91.1	91.1	93.2	94.5	94.5	97.0	98.3	98.3	98.9	99.2	99.2	99.2
IV 200	85.5	88.4	89.5	89.8	91.2	91.2	93.3	94.6	94.6	97.1	98.4	98.4	99.0	99.4	99.4	99.4
IV 100	85.5	88.4	89.5	89.8	91.2	91.2	93.3	94.6	94.6	97.1	98.4	98.4	99.0	99.4	99.4	99.4
IV 0	85.5	88.4	89.5	89.8	91.2	91.2	93.3	94.6	94.6	97.1	98.4	98.4	99.0	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 910



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AFAC

# CEILING VERSUS VISIBILITY

24210 STATION FORT SIMPSON, N.W.T.

57-66

YEARS

OFF  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0-00-9999

CEILING FEET	VISIBILITY, STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .2	≥ 0
NO CEILING	43.2	43.3	43.4	43.5	43.7	43.7	44.0	44.0	44.0	45.1	45.1	45.1	45.3	45.3	45.3	45.3
IV 20000	44.5	44.6	44.7	44.8	44.9	44.9	45.3	45.3	45.3	46.3	46.3	46.3	46.7	46.7	46.7	46.7
IV 18000	44.7	44.8	44.9	45.1	45.2	45.2	45.3	45.5	45.5	46.6	46.7	46.7	46.9	46.9	46.9	46.9
IV 16000	44.8	44.9	45.1	45.2	45.3	45.3	45.5	45.6	45.6	46.7	46.8	46.8	47.0	47.0	47.0	47.0
IV 14000	45.5	45.6	45.7	45.8	45.9	45.9	46.2	46.2	46.2	47.3	47.4	47.4	47.6	47.6	47.6	47.6
IV 12000	46.3	46.5	46.6	46.7	46.8	46.8	47.1	47.1	47.1	48.2	48.3	48.3	48.5	48.5	48.5	48.5
IV 10000	48.6	48.6	49.1	49.2	49.4	49.4	49.7	49.7	49.7	50.8	50.9	50.9	51.1	51.1	51.1	51.1
IV 9000	49.9	50.1	50.4	50.5	50.6	50.6	51.1	51.1	51.1	52.3	52.5	52.5	52.7	52.7	52.7	52.7
IV 8000	52.9	53.2	53.8	54.1	54.4	54.4	54.9	54.9	54.9	56.1	56.3	56.3	56.6	56.6	56.6	56.6
IV 7000	58.3	58.6	59.1	59.6	60.3	60.3	60.9	60.9	60.9	62.0	62.3	62.3	62.5	62.5	62.5	62.5
IV 6000	58.7	59.0	59.6	60.0	60.6	60.6	61.3	61.3	61.3	62.5	62.7	62.7	62.9	62.9	62.9	62.9
IV 5000	62.9	63.3	63.9	64.3	65.2	65.2	65.8	65.8	65.8	67.1	67.3	67.3	67.6	67.6	67.6	67.6
IV 4500	63.4	63.9	64.4	64.8	65.7	65.8	66.3	66.3	66.3	67.6	67.8	67.8	68.2	68.2	68.2	68.2
IV 4000	66.1	66.6	67.4	68.0	69.0	69.1	69.9	70.2	70.2	71.6	71.8	71.8	72.2	72.2	72.2	72.2
IV 3500	67.6	68.1	69.0	69.7	70.9	71.0	71.7	72.0	72.0	73.4	73.7	73.7	74.0	74.0	74.0	74.0
IV 3000	70.3	71.1	72.0	72.8	74.2	74.3	75.1	75.7	75.7	77.2	77.4	77.4	77.7	77.7	77.7	77.7
IV 2500	72.7	73.2	74.4	75.3	76.8	76.9	78.2	78.9	78.9	80.3	80.8	80.8	81.1	81.1	81.1	81.1
IV 2000	75.2	75.7	76.9	77.7	79.5	79.6	81.0	81.8	81.8	83.4	83.7	83.7	84.0	84.0	84.0	84.0
IV 1800	75.4	75.9	77.1	78.0	79.7	79.8	81.2	82.0	82.0	83.7	83.9	83.9	84.2	84.2	84.2	84.2
IV 1500	76.9	77.4	78.6	79.5	81.6	81.5	83.1	84.5	84.5	86.2	86.6	86.6	87.0	87.0	87.0	87.0
IV 1200	78.8	79.4	80.5	81.4	83.3	83.4	85.2	86.8	86.8	88.5	88.8	88.8	89.2	89.2	89.2	89.2
IV 1000	81.4	82.3	83.4	84.5	86.5	86.6	88.3	90.0	90.0	92.3	93.1	93.1	93.8	93.8	93.8	93.8
IV 900	81.9	82.8	84.0	85.1	87.0	87.1	88.8	90.5	90.5	93.1	93.8	93.8	94.4	94.4	94.4	94.4
IV 800	82.9	83.8	84.9	86.0	88.0	88.1	89.8	91.5	91.5	94.1	94.9	94.9	95.6	95.6	95.6	95.6
IV 700	84.0	84.8	86.0	87.1	89.0	89.1	90.9	92.6	92.6	95.2	96.0	96.1	97.1	97.1	97.1	97.1
IV 600	84.3	85.2	86.3	87.4	89.4	89.5	91.3	93.0	93.0	95.6	96.5	96.6	97.5	97.5	97.5	97.5
IV 500	84.6	85.7	86.9	88.0	90.0	90.1	91.9	93.8	93.8	96.3	97.8	98.0	99.0	99.0	99.0	99.0
IV 400	84.8	85.9	87.1	88.2	90.2	90.3	92.3	94.1	94.1	96.7	98.2	98.3	99.6	99.6	99.6	99.6
IV 300	84.8	86.0	87.2	88.3	90.3	90.4	92.4	94.2	94.2	96.8	98.5	98.6	99.7	99.7	99.7	99.7
IV 200	84.8	86.0	87.2	88.3	90.3	90.4	92.4	94.3	94.3	96.9	98.6	98.7	99.8	99.8	99.8	99.8
IV 100	84.8	86.0	87.2	88.3	90.3	90.4	92.4	94.3	94.3	96.9	98.6	98.7	99.9	99.9	100.0	100.0
IV 0	84.8	86.0	87.2	88.3	90.3	90.4	92.4	94.3	94.3	96.9	98.6	98.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 330



DATA PROCESSING DIVISION  
USAF ETAC  
AFR - EATER SERVICE/MAC

# CEILING VERSUS VISIBILITY

20210 FLAT STATION NUT HUT 37-66 YEARS JFC  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS) 0400-1100

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING N 20000	37.3	37.4	37.4	37.5	37.7	38.0	38.1	38.3	38.3	38.7	38.7	38.7	39.0	39.0	39.0	39.0	
IV 18000 16000	40.8	41.2	41.2	41.3	41.6	41.8	41.9	42.2	42.2	42.6	42.6	42.6	42.9	42.9	42.9	42.9	
IV 14000 12000	40.9	41.3	41.3	41.4	41.7	41.9	42.0	42.3	42.3	42.7	42.7	42.7	43.0	43.0	43.0	43.0	
IV 10000 9000	42.3	42.7	42.7	42.8	43.1	43.3	43.4	43.7	43.7	44.1	44.1	44.1	44.4	44.4	44.4	44.4	
IV 8000 7000	43.2	43.7	43.7	43.8	44.1	44.3	44.4	44.6	44.6	45.1	45.1	45.1	45.4	45.4	45.4	45.4	
IV 6000 5000	47.3	47.7	47.7	47.8	48.5	48.8	49.0	49.2	49.2	49.9	49.9	49.9	50.2	50.2	50.2	50.2	
IV 4500 4000	50.5	51.3	51.3	51.5	52.2	52.5	52.8	53.1	53.1	53.8	53.8	53.8	54.1	54.1	54.1	54.1	
IV 3500 3000	55.8	56.8	56.8	57.1	58.2	58.5	58.9	59.2	59.2	59.9	59.9	59.9	60.2	60.2	60.2	60.2	
IV 2500 2000	60.5	61.7	61.8	62.3	63.5	63.9	64.3	64.7	64.7	65.4	65.4	65.4	65.7	65.7	65.7	65.7	
IV 1800 1500	61.1	62.3	62.4	62.9	64.2	64.5	64.9	65.4	65.4	66.0	66.0	66.0	66.3	66.3	66.3	66.3	
IV 1200 1000	63.3	65.1	65.2	65.7	67.0	67.4	68.1	68.6	68.6	69.2	69.4	69.4	69.7	69.7	69.7	69.7	
IV 900 800	63.8	65.4	65.5	66.0	67.3	67.7	68.4	68.9	68.9	69.6	69.7	69.7	70.0	70.0	70.0	70.0	
IV 700 600	65.6	67.2	67.3	68.1	69.8	70.2	71.1	71.7	71.7	72.4	72.5	72.5	72.8	72.8	72.8	72.8	
IV 500 400	67.3	69.0	69.1	69.9	71.6	72.0	73.2	73.9	73.9	74.5	74.7	74.7	75.1	75.1	75.1	75.1	
IV 300 200	69.9	71.8	72.0	72.8	74.6	75.1	76.2	77.2	77.2	78.1	78.3	78.1	78.6	78.6	78.6	78.6	
IV 100 0	72.6	74.5	74.8	75.6	77.4	77.8	79.1	80.2	80.2	81.1	81.3	81.3	81.6	81.6	81.6	81.6	
	74.7	77.2	77.6	78.6	81.1	81.5	82.9	84.1	84.1	85.4	85.6	85.6	85.9	85.9	85.9	85.9	
	74.9	77.5	78.0	78.9	81.4	81.8	83.2	84.4	84.4	85.7	85.9	85.9	86.2	86.2	86.2	86.2	
	75.7	78.7	79.1	80.1	82.8	83.2	85.1	86.7	86.7	88.2	88.8	88.8	89.1	89.1	89.1	89.1	
	77.4	80.4	81.0	82.0	84.8	85.3	87.2	88.9	88.9	90.5	91.2	91.2	91.5	91.5	91.5	91.5	
	80.5	84.3	84.5	85.6	88.4	88.8	90.8	92.6	92.6	94.9	95.9	95.9	96.3	96.3	96.3	96.3	
	80.9	84.3	84.8	85.9	88.7	89.1	91.1	92.9	92.9	95.3	96.2	96.2	96.7	96.7	96.7	96.7	
	81.1	84.5	85.1	86.1	88.9	89.4	91.3	93.1	93.1	95.6	96.7	96.7	97.1	97.1	97.1	97.1	
	81.3	84.7	85.3	86.3	89.2	89.7	91.6	93.4	93.4	95.9	97.0	97.0	97.5	97.5	97.5	97.5	
	81.4	85.1	85.7	86.9	89.7	90.1	92.0	93.9	93.9	96.3	97.4	97.4	97.8	97.8	97.8	97.8	
	81.5	85.3	85.9	87.1	90.2	90.6	92.6	94.4	94.4	97.0	98.1	98.1	99.2	99.2	99.2	99.2	
	81.6	85.4	86.0	87.2	90.3	90.9	92.8	94.6	94.6	97.2	98.3	98.3	99.7	99.7	99.7	99.7	
	81.6	85.4	86.0	87.2	90.3	90.9	92.8	94.6	94.6	97.2	98.3	98.3	100.0	100.0	100.0	100.0	
	81.6	85.4	86.0	87.2	90.3	90.9	92.8	94.6	94.6	97.2	98.3	98.3	100.0	100.0	100.0	100.0	
	81.6	85.4	86.0	87.2	90.3	90.9	92.8	94.6	94.6	97.2	98.3	98.3	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

24210 FULT SIMPSON WPT DOT  
STATION NAME

57-44

YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000	44.2	44.5	44.8	44.9	45.4	45.6	45.6	45.6	45.6	46.0	46.0	46.0	46.2	46.2	46.3	46.3
IV 18000	44.2	44.5	44.8	44.9	45.4	45.6	45.6	45.6	45.6	46.0	46.0	46.0	46.2	46.2	46.3	46.3
IV 16000	44.4	44.7	45.1	45.2	45.6	45.8	45.8	45.8	45.8	46.2	46.2	46.2	46.5	46.5	46.6	46.6
IV 14000	45.2	45.6	45.9	46.0	46.5	46.7	46.7	46.7	46.7	47.1	47.1	47.1	47.3	47.3	47.4	47.4
IV 12000	47.3	47.7	48.2	48.2	48.7	48.9	48.9	48.9	48.9	49.4	49.4	49.4	49.6	49.6	49.7	49.7
IV 10000	51.2	51.8	52.3	52.4	52.9	53.2	53.8	53.9	53.9	54.3	54.3	54.3	54.5	54.5	54.6	54.6
IV 9000	55.2	56.5	56.9	57.0	57.6	58.0	58.6	58.8	58.8	59.2	59.2	59.2	59.5	59.5	59.6	59.6
IV 8000	61.0	62.7	63.1	63.3	64.2	64.7	65.4	65.7	65.7	66.1	66.1	66.1	66.3	66.3	66.5	66.5
IV 7000	64.3	66.3	66.9	67.1	68.3	68.8	69.6	70.2	70.2	70.8	70.8	70.8	71.0	71.0	71.1	71.1
IV 6000	64.5	66.6	67.1	67.3	68.5	69.0	69.8	70.4	70.4	71.0	71.0	71.0	71.2	71.2	71.3	71.3
IV 5000	66.1	68.3	68.8	69.0	70.2	70.8	71.5	72.2	72.2	72.7	72.8	72.8	73.0	73.0	73.1	73.1
IV 4500	66.9	69.1	69.7	69.9	71.1	71.6	72.4	73.0	73.0	73.5	73.7	73.7	73.9	73.9	74.0	74.0
IV 4000	67.8	70.1	70.6	71.0	72.5	73.0	73.8	74.5	74.5	75.1	75.2	75.2	75.4	75.4	75.5	75.5
IV 3500	69.0	71.3	71.8	72.2	73.7	74.2	74.9	75.8	75.8	76.5	76.6	76.6	76.8	76.8	76.9	76.9
IV 3000	71.0	73.7	74.2	74.6	76.6	77.1	77.8	79.1	79.1	79.9	80.0	80.0	80.2	80.2	80.3	80.3
IV 2500	72.2	75.4	76.1	76.6	78.6	79.1	80.5	82.2	82.2	83.0	83.1	83.1	83.3	83.3	83.4	83.4
IV 2000	74.3	78.1	78.9	80.0	82.2	82.7	84.6	86.2	86.2	87.3	87.3	87.3	87.7	87.7	87.8	87.8
IV 1800	74.9	78.7	79.6	80.6	82.8	83.3	85.1	86.9	86.9	88.0	88.2	88.2	88.4	88.4	88.5	88.5
IV 1500	76.3	80.3	81.5	82.7	85.3	85.8	87.7	89.8	89.8	91.2	91.8	91.8	92.0	92.0	92.2	92.2
IV 1200	77.2	81.5	82.7	83.9	86.6	87.1	89.1	91.3	91.3	92.7	93.4	93.4	93.7	93.7	93.8	93.8
IV 1000	78.9	83.7	84.8	86.1	89.0	89.6	91.6	94.0	94.0	96.1	97.2	97.2	97.4	97.4	97.5	97.5
IV 900	79.1	84.0	85.3	86.6	89.5	90.0	92.0	94.4	94.4	96.6	97.6	97.6	97.8	97.8	98.0	98.0
IV 800	79.7	84.5	85.8	87.1	90.0	90.5	92.0	94.9	94.9	97.4	98.5	98.5	98.7	98.7	98.8	98.8
IV 700	80.0	84.8	86.1	87.4	90.3	90.9	92.9	95.3	95.3	97.7	98.8	98.8	99.0	99.0	99.1	99.1
IV 600	80.0	84.9	86.5	87.7	90.6	91.2	93.2	95.6	95.6	98.1	99.4	99.4	99.7	99.7	99.8	99.8
IV 500	80.1	85.1	86.6	87.8	90.8	91.3	93.3	95.7	95.7	98.2	99.5	99.5	99.8	99.8	99.9	99.9
IV 400	80.1	85.1	86.6	87.8	90.8	91.3	93.3	95.7	95.7	98.2	99.5	99.5	99.8	99.8	99.9	99.9
IV 300	80.1	85.1	86.6	87.8	90.8	91.3	93.3	95.7	95.7	98.2	99.5	99.5	99.8	99.8	99.9	99.9
IV 200	80.1	85.1	86.6	87.8	90.8	91.3	93.3	95.7	95.7	98.2	99.5	99.5	99.8	99.8	99.9	99.9
IV 100	80.1	85.1	86.6	87.8	90.8	91.3	93.3	95.7	95.7	98.2	99.5	99.5	99.8	99.8	99.9	99.9
IV 0	80.1	85.1	86.6	87.8	90.8	91.3	93.3	95.7	95.7	98.2	99.5	99.5	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 24216 ENTRY STOPS IN NUT UNIT 57-66 YEARS CC  
STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
MONTH

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	43.4	44.1	44.1	44.2	44.5	44.5	44.6	44.8	44.8	44.9	44.9	44.9	45.1	45.1	45.3	45.3
IV 18000	43.3	47.1	47.2	47.3	47.6	47.6	47.7	48.0	48.0	48.1	48.1	48.1	48.2	48.2	48.4	48.4
IV 16000	46.3	47.1	47.2	47.3	47.6	47.6	47.7	48.0	48.0	48.1	48.1	48.1	48.2	48.2	48.4	48.4
IV 14000	46.7	47.4	47.5	47.6	48.0	48.0	48.1	48.3	48.3	48.4	48.4	48.4	48.5	48.5	48.7	48.7
IV 12000	47.6	48.5	48.6	48.7	49.0	49.1	49.2	49.5	49.5	49.6	49.6	49.6	49.7	49.7	49.9	49.9
IV 10000	52.2	53.1	53.3	53.4	54.1	54.2	54.3	54.6	54.6	54.7	54.7	54.7	54.8	54.8	55.1	55.1
IV 9000	54.6	55.8	56.0	56.1	56.8	56.9	57.0	57.3	57.3	57.4	57.4	57.4	57.5	57.5	57.7	57.7
IV 8000	60.3	62.9	63.1	63.2	63.9	64.0	64.1	64.4	64.4	64.5	64.5	64.5	64.6	64.6	64.8	64.8
IV 7000	63.2	65.7	65.9	66.0	66.8	66.9	67.2	67.5	67.5	67.6	67.6	67.6	67.7	67.7	68.0	68.0
IV 6000	63.9	66.5	66.7	66.8	67.5	67.6	68.0	68.3	68.3	68.4	68.4	68.4	68.5	68.5	68.7	68.7
IV 5000	66.0	68.7	68.9	69.0	69.8	69.9	70.2	70.5	70.5	70.6	70.6	70.6	70.8	70.8	71.0	71.0
IV 4500	66.1	68.8	69.0	69.1	69.9	70.0	70.3	70.6	70.6	70.8	70.8	70.8	70.9	70.9	71.1	71.1
IV 4000	67.4	70.1	70.3	70.4	71.5	71.7	72.2	72.5	72.5	72.6	72.6	72.6	72.7	72.7	72.9	72.9
IV 3500	68.2	71.1	71.3	71.4	72.5	72.7	73.1	73.4	73.4	73.5	73.5	73.5	73.7	73.7	73.9	73.9
IV 3000	69.9	73.4	73.8	73.9	75.3	75.5	75.9	76.2	76.2	76.5	76.5	76.5	76.6	76.6	76.8	76.8
IV 2500	71.5	75.1	75.4	75.6	77.2	77.5	78.2	78.7	78.7	79.1	79.1	79.1	79.2	79.2	79.5	79.5
IV 2000	73.3	78.0	78.5	78.9	81.2	81.7	82.8	83.7	83.7	84.4	84.4	84.4	84.5	84.5	84.7	84.7
IV 1800	74.3	79.1	79.7	80.2	82.5	83.0	84.2	85.1	85.1	85.8	85.8	85.8	85.9	85.9	86.1	86.1
IV 1500	75.8	80.8	81.3	81.9	84.6	85.2	86.7	88.0	88.0	89.1	89.4	89.4	89.5	89.5	89.7	89.7
IV 1200	77.3	82.7	83.2	83.9	86.7	87.2	88.7	90.3	90.3	91.6	91.8	91.8	91.9	91.9	92.2	92.2
IV 1000	79.1	84.5	85.1	85.8	88.6	89.1	90.9	93.1	93.1	95.2	95.5	95.5	95.6	95.6	95.8	95.8
IV 900	79.5	84.8	85.4	86.1	88.9	89.5	91.2	93.4	93.4	95.6	95.9	95.9	96.0	96.0	96.2	96.2
IV 800	80.0	85.4	85.9	86.8	89.6	90.1	91.8	94.1	94.1	96.6	97.1	97.1	97.2	97.2	97.4	97.4
IV 700	80.5	86.0	86.6	87.5	90.3	90.9	92.6	94.8	94.8	97.3	97.8	97.8	98.0	98.0	98.2	98.2
IV 600	80.5	86.0	86.6	87.5	90.3	90.9	92.7	94.9	94.9	97.4	98.0	98.0	98.2	98.2	98.4	98.4
IV 500	81.0	86.5	87.0	88.0	90.8	91.3	93.1	95.4	95.4	98.0	98.5	98.5	98.8	98.8	99.0	99.0
IV 400	81.2	86.7	87.3	88.3	91.1	91.6	93.4	95.7	95.7	98.3	98.8	98.8	99.1	99.1	99.4	99.4
IV 300	81.3	86.8	87.4	88.5	91.3	91.8	93.7	95.9	95.9	98.5	99.0	99.0	99.5	99.5	99.7	99.7
IV 200	81.3	86.8	87.4	88.5	91.3	91.8	93.7	95.9	95.9	98.5	99.0	99.0	99.5	99.5	99.7	99.7
IV 100	81.3	86.8	87.5	88.6	91.4	91.9	93.8	96.0	96.0	98.6	99.1	99.2	99.7	99.8	100.0	100.0
IV 0	81.3	86.8	87.5	88.6	91.4	91.9	93.8	96.0	96.0	98.6	99.1	99.2	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

STATION NAME: ST. LOUIS STATION NUMBER: 1000

DATE: 27-66

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000000000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.5	45.5	46.6	46.6	46.6	46.6	46.7	46.8	46.8	46.9	47.2	47.2	47.4	47.4	47.4	47.4
≥ 20000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 18000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 16000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 14000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 12000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 10000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 9000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 8000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 7000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 6000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 5000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 4500	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 4000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 3500	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 3000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 2500	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 2000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 1800	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 1500	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 1200	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 1000	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 900	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 800	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 700	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 600	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 500	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 400	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 300	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 200	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 100	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4
IV 0	46.4	46.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.8	49.1	49.1	49.4	49.4	49.4	49.4

TOTAL NUMBER OF OBSERVATIONS: 1000



## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SKY COVER

26210 FIFT SIMPSON NWT DUT  
STATION

57-66

PERIOD

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	25.7	5.4	4.9	4.3	3.7	2.1	3.1	3.8	4.6	7.2	35.0	5.5	7440
FEB		22.7	6.8	5.7	4.0	3.5	2.8	3.8	4.6	6.2	9.8	30.2	5.5	6768
MAR		23.3	7.1	5.8	4.7	3.5	2.9	4.0	5.0	6.2	7.8	29.8	5.4	7440
APR		15.2	7.6	7.7	5.4	5.0	3.6	4.7	5.5	7.1	10.1	28.1	5.7	7200
MAY		5.2	8.8	8.5	8.4	6.8	5.6	6.3	7.7	9.4	13.6	19.8	5.9	7393
JUN		3.7	7.0	8.6	8.6	7.6	5.7	7.0	7.9	11.9	15.6	16.6	6.1	7200
JUL		2.5	7.0	8.1	9.1	8.0	7.1	6.1	8.4	11.4	14.4	17.9	6.1	7440
AUG		7.9	10.1	8.8	7.7	5.6	5.1	5.6	6.6	9.7	15.9	17.1	5.7	7440
SEP		6.4	7.2	6.0	5.5	4.1	3.4	4.4	6.3	8.0	13.8	32.9	6.6	7200
OCT		9.3	6.0	5.2	4.4	3.5	3.1	3.9	4.9	6.7	11.5	41.7	6.9	7440
NOV		15.0	6.1	5.9	4.2	3.2	2.7	3.3	3.8	5.4	9.3	40.5	6.3	7200
DEC		17.9	6.0	5.8	3.8	3.6	2.5	3.5	4.2	5.8	7.4	39.4	6.2	7440
TOTALS		13.1	7.1	6.8	5.8	4.8	3.9	4.6	5.7	7.7	11.4	29.1	6.0	87601

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SKY COVER

26210	FOOT SIMPSON NWT DIST
STATION	STATION NAME

57-66

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	34.5	3.0	4.8	3.3	2.9	1.2	2.3	3.4	3.7	3.1	38.1	5.1	930
	03-05	33.8	2.0	3.4	3.9	3.3	2.0	2.4	2.9	3.3	1.7	41.2	5.3	930
	06-08	26.5	5.1	3.4	4.8	4.3	2.0	2.8	4.0	4.5	4.1	38.5	5.6	930
	09-11	12.7	8.3	4.9	5.7	3.4	2.9	3.9	4.5	5.3	14.3	34.1	6.3	930
	12-14	15.3	7.5	5.8	4.4	4.2	2.2	3.9	6.0	7.3	14.4	29.0	6.0	930
	15-17	16.3	9.1	7.1	5.3	4.7	3.1	4.6	3.0	4.4	11.6	30.6	5.7	930
	18-20	31.5	4.7	5.3	3.7	4.0	2.0	3.2	3.5	5.2	4.2	32.7	5.0	930
	21-23	35.2	3.7	4.4	3.2	3.4	1.7	2.0	3.1	3.2	4.5	35.5	5.0	930
TOTALS		25.7	5.4	4.9	4.3	3.7	2.1	3.1	3.8	4.6	7.2	35.0	5.5	7440



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SKY COVER

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

57-66

FER  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS [L.S.T.]	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	34.8	5.3	4.5	3.4	2.7	1.8	1.7	3.3	5.6	4.0	33.0	4.9	846
	03-05	35.0	3.8	4.4	3.2	2.7	1.7	3.1	3.9	3.8	3.3	35.2	5.0	846
	06-08	17.5	7.1	6.4	5.3	5.1	3.0	4.3	3.8	8.3	8.2	31.2	5.7	846
	09-11	11.8	7.8	4.5	4.3	2.6	3.2	5.1	7.7	6.4	17.7	23.0	6.4	846
	12-14	12.2	8.2	6.4	4.3	3.5	3.4	5.0	5.3	7.9	16.4	27.4	6.2	846
	15-17	10.3	10.4	6.5	3.4	3.9	4.1	5.8	5.9	8.3	16.0	25.4	6.1	846
	18-20	23.0	8.5	7.7	4.3	4.3	3.1	3.0	3.7	6.3	8.0	28.3	5.2	846
	21-23	36.6	3.1	5.4	3.5	3.3	2.0	2.2	3.4	3.3	4.8	32.2	4.8	846
TOTALS		22.7	6.8	5.7	4.0	3.5	2.8	3.8	4.6	6.2	9.8	30.2	5.5	6768

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

20210	FLPT SIMPSON NWT DOT
STATION	STATION NAME

57-66

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	41.0	3.9	3.5	4.4	2.4	1.8	2.6	4.3	2.8	3.5	29.8	4.4	930
	03-05	35.1	5.4	5.2	4.0	2.5	2.3	4.3	4.0	4.4	4.1	28.9	4.6	930
	06-08	14.2	8.9	6.2	5.3	3.8	2.7	3.8	5.7	7.6	10.5	31.3	6.0	930
	09-11	14.8	7.0	4.4	4.3	3.4	3.3	5.1	5.7	8.3	12.2	31.5	6.2	930
	12-14	15.6	7.3	6.3	5.2	3.5	2.9	4.1	5.3	7.4	11.5	30.9	6.0	930
	15-17	14.4	8.0	6.6	3.3	4.2	3.8	5.4	6.3	9.2	11.3	27.5	5.9	930
	18-20	16.2	9.2	8.0	6.3	5.5	3.8	3.4	4.8	6.6	6.8	29.4	5.5	930
	21-23	35.4	6.7	5.9	4.4	3.0	2.6	3.0	3.7	3.5	2.6	29.2	4.4	930
TOTALS		23.3	7.1	5.8	4.7	3.5	2.9	4.0	5.0	6.2	7.8	29.8	5.4	7440

## SKY COVER

APR  
MONTH

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	32.0	7.9	7.4	4.9	3.3	2.3	2.6	2.8	4.2	4.0	28.6	4.5	900
	03-05	17.8	10.0	7.3	5.1	5.7	3.1	3.3	5.7	5.4	8.6	28.0	5.4	900
	06-08	10.2	8.2	6.4	3.2	4.4	3.3	4.7	6.3	8.6	11.1	31.4	6.3	900
	09-11	10.2	5.6	7.1	5.9	4.3	3.3	4.3	5.1	8.8	11.3	34.0	6.5	900
	12-14	9.3	5.9	8.6	4.1	5.8	4.9	4.9	5.9	8.2	13.9	28.6	6.3	900
	15-17	9.6	6.4	6.6	6.6	6.4	4.1	7.7	6.9	8.1	13.0	24.7	6.1	900
	18-20	10.2	6.8	9.7	7.2	5.1	4.2	6.4	7.0	9.0	11.3	23.0	5.8	900
	21-23	22.1	9.9	8.7	4.4	5.3	3.2	3.4	4.3	4.6	7.8	26.2	5.0	900
TOTALS		15.2	7.6	7.7	5.4	5.0	3.6	4.7	5.5	7.1	10.1	28.1	5.7	7200

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SKY COVER

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

57-66

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	7.8	12.1	9.3	7.7	7.5	5.8	6.5	6.0	6.6	11.7	19.0	5.4	921
	03-05	6.7	10.2	10.1	9.1	6.0	5.1	5.6	6.4	8.8	13.0	19.0	5.6	922
	06-08	6.2	9.6	9.5	9.4	5.8	4.4	6.0	6.9	10.9	12.0	19.2	5.7	924
	09-11	5.6	9.0	9.9	8.6	6.4	5.9	6.3	6.7	8.4	12.5	20.6	5.8	926
	12-14	3.6	6.6	7.0	7.2	7.4	6.3	7.0	9.3	9.8	13.2	22.4	6.3	923
	15-17	3.9	6.4	5.0	7.6	6.4	5.9	7.7	9.1	11.1	18.0	19.1	6.5	927
	18-20	4.0	6.6	6.8	8.5	7.6	5.9	5.7	10.1	11.4	15.2	18.1	6.2	927
	21-23	4.1	9.4	10.2	8.7	7.5	5.1	5.2	7.0	8.1	13.5	20.8	5.9	923
TOTALS		5.2	8.8	8.5	8.4	6.8	5.6	6.3	7.7	9.4	13.6	19.8	5.9	7393

## SKY COVER

26210  
STATION

FORT SIMPSON NWT DOT  
STATION NAME

57-66

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	4.7	10.1	10.6	10.3	8.4	4.8	6.6	5.8	10.8	12.3	15.7	5.5	900
	03-05	7.2	7.6	9.8	9.3	7.0	3.9	6.3	7.3	10.9	15.3	15.3	5.7	900
	06-08	6.7	9.0	8.2	6.9	5.7	4.8	5.6	7.4	12.0	17.0	16.8	5.9	900
	09-11	3.7	8.4	8.3	7.4	7.7	5.7	8.1	7.6	9.6	15.1	18.4	6.0	900
	12-14	1.6	5.2	7.7	7.0	7.0	6.8	8.8	8.7	11.4	18.2	17.7	6.5	900
	15-17	1.2	3.9	6.9	7.9	7.2	5.8	8.6	9.2	14.8	17.1	17.4	6.6	900
	18-20	1.8	4.3	7.8	8.8	10.0	7.1	6.3	8.8	13.8	15.1	16.2	6.3	900
	21-23	2.6	7.2	9.2	10.9	8.1	6.9	5.6	8.7	11.6	14.4	14.9	5.9	900
TOTALS		3.7	7.0	8.6	8.6	7.6	5.7	7.0	7.9	11.9	15.6	16.6	6.1	7200

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SKY COVER

26210	FORT SIMPSON NWT OUT
STATION	STATION NAME

57-66

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	2.2	11.0	13.3	8.3	5.4	6.1	5.9	6.0	8.8	12.2	20.9	5.8	930
	03-05	3.8	7.7	9.5	11.2	7.7	6.5	6.2	6.5	8.6	12.4	20.0	5.9	930
	06-08	4.8	8.0	8.3	8.7	7.8	5.2	5.9	7.8	10.3	12.0	21.1	6.0	930
	09-11	3.5	8.7	8.3	8.3	7.4	5.8	5.1	8.8	13.1	14.0	17.0	6.0	930
	12-14	1.9	4.9	4.7	7.7	7.7	10.9	7.8	9.4	12.8	16.0	16.0	6.4	930
	15-17	1.5	4.5	3.7	8.6	8.8	7.7	5.6	12.0	15.1	17.3	15.2	6.6	930
	18-20	1.1	4.0	8.5	8.7	9.1	7.3	5.8	9.1	13.4	17.3	15.6	6.4	930
	21-23	1.4	7.2	8.8	11.3	9.7	6.9	6.8	7.5	9.4	13.8	17.3	6.0	930
TOTALS		2.5	7.0	8.1	9.1	8.0	7.1	6.1	8.4	11.4	14.4	17.9	6.1	7440

## SKY COVER

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

57-66

ALG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	17.4	15.9	8.1	8.4	5.7	2.7	4.9	4.4	5.3	8.4	18.8	4.6	930
	03-05	9.2	11.3	8.0	8.0	6.2	4.5	4.7	4.8	9.5	14.5	19.2	5.6	930
	06-08	7.6	9.0	6.8	6.3	4.9	4.0	4.7	7.0	11.5	17.5	20.5	6.1	930
	09-11	7.2	8.0	8.3	7.0	4.4	4.3	5.3	6.7	11.0	19.2	18.7	6.1	930
	12-14	3.4	9.5	6.2	6.6	5.4	7.6	9.1	8.5	9.6	17.6	16.5	6.2	930
	15-17	4.2	6.6	9.5	8.1	6.1	8.7	4.3	7.5	10.3	20.5	14.2	6.1	930
	18-20	4.0	7.4	11.9	8.7	6.6	4.9	6.3	8.0	11.7	17.5	12.9	5.8	930
	21-23	10.1	12.9	11.8	8.4	5.2	4.1	5.5	5.6	9.0	11.6	15.8	5.1	930
TOTALS		7.9	10.1	8.8	7.7	5.6	5.1	5.6	6.6	9.7	15.9	17.1	5.7	7440

DATA PROCESSING DIVISION  
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AIR WEATHER SERVICE/MAC

**2**

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	22.1	10.3	5.7	4.4	3.6	1.6	3.6	3.3	3.3	4.3	37.8	5.5	900
	03-05	12.6	7.6	6.4	4.7	4.8	2.4	4.0	6.0	6.3	6.2	39.0	6.3	900
	06-08	2.6	5.6	5.8	3.9	2.9	4.2	4.4	7.4	11.0	17.6	34.7	7.3	900
	09-11	3.9	5.0	5.2	5.0	3.3	3.8	3.7	7.2	8.7	22.4	31.8	7.2	900
	12-14	2.2	6.1	6.1	5.4	4.9	3.9	4.4	8.4	10.0	21.3	27.1	7.0	900
	15-17	3.1	5.1	6.0	6.0	4.6	4.4	5.8	7.2	11.4	18.3	27.8	7.0	900
	18-20	4.0	8.3	5.9	8.6	4.4	3.3	4.9	7.2	9.4	13.9	30.0	6.6	900
	21-23	17.0	9.7	6.9	5.6	4.1	3.3	4.1	4.0	3.9	6.2	35.2	5.7	900
TOTALS		8.4	7.2	6.0	5.5	4.1	3.4	4.4	6.3	8.0	13.8	32.9	6.6	7200



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

26210	FORT SIMPSON NAT DOT
STATION	STATION NAME

57-66

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	16.1	6.0	5.6	3.5	4.1	1.9	3.8	3.5	4.7	4.1	46.6	6.4	930
	03-05	13.0	6.5	4.5	4.2	3.8	3.8	3.0	3.3	4.4	5.8	47.7	6.7	930
	06-08	2.9	5.3	5.8	5.1	3.9	3.1	3.4	5.5	8.2	14.7	42.2	7.4	930
	09-11	4.0	5.5	5.1	4.0	2.7	2.9	4.8	4.5	7.1	19.7	39.8	7.5	930
	12-14	5.1	6.0	5.7	5.3	3.1	4.0	4.1	5.1	7.3	19.2	35.2	7.1	930
	15-17	4.1	5.7	5.3	4.3	3.8	2.9	3.7	7.1	9.0	18.4	35.8	7.3	930
	18-20	10.9	7.0	5.1	5.2	4.2	3.9	4.0	5.2	7.1	5.7	41.9	6.6	930
	21-23	18.4	5.7	4.2	3.4	2.7	2.0	4.2	5.1	6.1	4.0	44.2	6.3	930
TOTALS		9.3	6.0	5.2	4.4	3.5	3.1	3.9	4.9	6.7	11.5	41.7	6.9	7440

2

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SKY COVER

26210 FORT SIMPSON NWT DUT

57-66

NOV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	22.0	5.2	5.2	4.6	2.7	2.8	2.3	3.7	3.9	3.8	43.3	5.9	900
	03-05	27.1	3.6	3.8	4.9	2.0	1.6	2.1	2.2	3.9	4.1	44.0	5.9	900
	06-08	14.0	4.6	7.2	4.2	2.6	3.1	4.4	3.7	6.3	7.6	42.3	6.5	900
	09-11	6.3	6.7	5.6	3.2	2.8	3.1	4.2	4.3	7.2	19.2	37.3	7.1	900
	12-14	8.2	6.8	6.8	3.7	4.0	2.1	2.3	6.6	7.0	19.0	33.6	6.8	900
	15-17	8.0	8.2	6.7	4.2	4.7	3.6	4.7	4.2	6.7	11.9	37.2	6.6	900
	18-20	18.6	6.6	6.1	4.9	3.1	2.6	3.1	3.8	4.2	4.6	42.6	6.0	900
	21-23	21.4	7.1	5.6	3.7	3.9	2.9	3.0	2.2	3.7	3.8	42.8	5.8	900
TOTALS		15.6	6.1	5.9	4.2	3.2	2.7	3.3	3.8	5.4	9.3	40.5	6.3	7200

74C

25210	PORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	26.0	5.9	5.3	3.4	2.3	2.3	2.6	4.4	4.9	3.3	39.0	5.5	930
	03-05	28.0	4.2	2.7	2.6	3.4	1.7	3.4	3.7	4.7	3.7	41.9	5.8	930
	06-08	19.7	6.7	3.9	2.8	2.4	2.4	3.1	4.0	5.6	7.5	40.0	6.1	930
	09-11	6.3	6.2	6.6	5.3	3.0	2.9	3.7	5.7	7.7	14.6	38.0	7.0	930
	12-14	6.1	6.7	6.2	4.5	4.8	3.9	4.9	5.8	7.7	14.3	34.9	6.8	930
	15-17	9.6	7.8	7.5	4.7	5.4	3.0	4.5	3.2	4.9	9.1	40.1	6.5	930
	18-20	21.4	6.0	6.9	2.8	4.2	1.9	3.7	3.1	5.6	4.4	40.0	5.8	930
	21-23	25.6	4.8	5.5	4.3	3.0	1.5	2.4	3.7	5.4	2.4	41.5	5.7	930
TOTALS		17.9	6.0	5.8	3.8	3.6	2.5	3.5	4.2	5.8	7.4	39.4	6.2	7440

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature

DATA NOT AVAILABLE
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods.. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- 4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

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USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST

57-66

ALL

PAGE 1

ALL  
HOURS

Temp. (F)		WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
92/ 91										.0	.0								9	9													
90/ 89										.0	.0	.0					.0		9	9													
88/ 87											.0				.0		.0		9	9													
86/ 85									.0	.0	.0	.0	.0		.0				15	15													
84/ 83									.0	.0	.0	.0	.0	.0					67	67													
82/ 81								.0	.0	.0	.1	.0	.0	.0					144	144													
80/ 79							.0	.0	.1	.1	.1	.1	.0	.0					271	271													
78/ 77							.0	.1	.1	.1	.1	.1	.0	.0					410	410													
76/ 75				.0	.0	.1	.1	.1	.2	.1	.0	.0	.0						568	568													
74/ 73				.0	.0	.1	.2	.2	.2	.1	.0	.0	.0	.0					755	755	3												
72/ 71			.0	.0	.1	.2	.3	.3	.2	.1	.1	.0	.0						906	906	5												
70/ 69			.0	.1	.2	.3	.3	.2	.1	.1	.0	.0	.0						1164	1164	20												
68/ 67		.0	.0	.2	.3	.3	.3	.2	.1	.0	.0								1233	1233	101	2											
66/ 65		.0	.1	.4	.4	.4	.3	.2	.1	.0	.0								1527	1527	309	13											
64/ 63	.0	.1	.3	.5	.4	.3	.2	.2	.0	.0									1759	1759	727	46											
62/ 61	.0	.2	.5	.5	.4	.3	.2	.1	.0	.0									1897	1897	1337	215											
60/ 59	.0	.5	.6	.6	.4	.3	.2	.1	.0										2299	2299	2292	631											
58/ 57	.1	.7	.7	.5	.4	.3	.1	.0	.0	.0									2454	2454	2836	1388											
56/ 55	.1	.8	.7	.5	.4	.3	.1	.0	.0										2535	2535	3174	1985											
54/ 53	.1	.9	.6	.4	.3	.2	.1	.0											2371	2371	3012	2461											
52/ 51	.2	.9	.6	.5	.3	.1	.0	.0											2277	2277	3128	3074											
50/ 49	.2	.9	.6	.5	.3	.1	.0	.0											2290	2290	2936	3047											
48/ 47	.2	.8	.7	.4	.3	.1	.0												2101	2101	2627	2857											
46/ 45	.2	.9	.6	.4	.2	.1	.0												2130	2130	2502	2761											
44/ 43	.3	.9	.6	.4	.2	.0	.0												2089	2089	2485	2558											
42/ 41	.3	.8	.6	.4	.1	.0													1856	1856	2288	2657											
40/ 39	.3	.8	.6	.4	.1	.0													1916	1916	2219	2563											
38/ 37	.3	.8	.7	.3	.0														1794	1794	2132	2548											
36/ 35	.3	1.0	.7	.2	.0														1888	1888	2129	2242											
34/ 33	.4	1.0	.6	.1	.0														1751	1751	2094	2210											
32/ 31	.4	1.1	.4	.0															1741	1741	2192	2296											
30/ 29	.5	1.1	.4	.0															1718	1718	2083	2291											
28/ 27	.4	1.0	.3	.0	.0														1408	1408	1668	2282											
26/ 25	.4	1.1	.2	.0															1463	1463	1543	1984											
Element (X)	Σ X <sup>2</sup>			Σ X			X̄			σ <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature																	
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

DATA PROCESSING DIVISION  
USAF ETAL  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST

57-66

ALL

## STAY IN

STATION NAME

YEARS

MONTH

PAGE 2

ALL

NOV 11 1958

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210

FUNT SIMPSON NWT DUT  
STATION NAME

57-66

YEARS

ALL  
MONTH

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ALL  
HOURS (L, S, T.)

[illegible]



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DUT
STA. IN	STATION NAME

**57-66**

YEARS

**JAN**  
**MONTH**

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210

FORT SIMPSON NWT OUT

57-66

JAFU

## STATION

STATION NAME

YEARS

MONTH

**PAGE 2**

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point											
-20/-21	5.4	.3																362	362	358	354										
-22/-23	4.0	.2																265	265	268	401										
-24/-25	4.0	.2																273	273	268	377										
-26/-27	3.7	.2																245	245	250	295										
-28/-29	4.1	.2																269	269	266	230										
-30/-31	4.0	.1																264	268	266	273										
-32/-33	2.8	.1																183	188	184	269										
-34/-35	1.8	.1																121	188	122	275										
-36/-37	.0																	2	205	5	253										
-38/-39																			124		149										
-40/-41																			176		115										
-42/-43																			153		44										
-44/-45																			87		47										
-46/-47																			78		22										
-48/-49																			53		13										
-50/-51																			48		2										
-52/-53																			33		2										
-54/-55																			14		8										
-56/-57																			4												
TOTAL	14.1	14.9	.5	.3	.1	.0												6384	7440	6384	6382										

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	34947035	468469	73.4	9.361	6382	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3932288	-118104	-15.9	16.631	7440	633.4	740.0					744
Wet Bulb	2074113	-75827	-11.9	13.959	6384	617.9	741.7					744
Dew Point	3383726	-114362	-17.9	14.461	6382	638.8	744.0					744

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DOT

57-66

FEB  
MONTH

STATION

STATION NAME

YEARS

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ALL  
HOURS 11, 5, 1.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
42/41			.0	.0	.0													5	5																
40/39			.0	.2	.0													20	20																
38/37	.1		.0	.0														10	10	9	2														
36/35	.0		.1	.1														11	11	9	3														
34/33		.0	.1	.0	.0													10	10	18	5														
32/31			.0	.0														3	3	10	2														
30/29		.1	.0															7	7	9	3														
28/27	.0	.1	.0															11	11	13	13														
26/25	.1	.1	.0															14	14	15	15														
24/23	.0	.1	.0															11	11	11	17														
22/21	.1	.4	.1															35	35	24	16														
20/19	.1	.4	.0															33	33	32	20														
18/17	.3	.7	.0															77	77	62	25														
16/15	.3	.3																39	39	58	41														
14/13	.6	.6																79	79	71	51														
12/11	1.4	.9																151	151	142	44														
10/9	1.3	.7																130	130	140	86														
8/7	2.1	.8																189	189	182	136														
6/5	3.0	1.2																273	273	259	146														
4/3	2.8	1.1																255	255	261	155														
2/1	2.8	1.1																252	252	252	211														
0/-1	2.4	1.1																227	227	229	221														
-2/-3	3.9	1.1																326	326	324	216														
-4/-5	3.4	1.1																293	293	298	234														
-6/-7	4.8	1.3																396	396	376	241														
-8/-9	4.0	1.3																346	346	351	273														
-10/-11	5.0	1.0																390	390	399	304														
-12/-13	5.4	.9																414	414	417	331														
-14/-15	5.5	.8																415	415	423	277														
-16/-17	4.7	.7																355	355	358	324														
-18/-19	3.6	.9																293	293	287	357														
-20/-21	3.9	.4																280	280	302	415														
-22/-23	3.6	.3																255	255	249	374														
-24/-25	3.5	.2																240	240	252	303														
Element (X)	Σ x'					Σ x					Σ					Σ x					No. Obs.					Mean No. of Hours with Temperature									
Rel. Hum.																										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST  
STATION STATION NAME

57-66

YEARS

SEA

**MONTH**

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**All**

**ALL**  
**HOURS (L. S. T.)**

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

57-66

MAR

MONTH

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HOURS 11 - 5 - 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
56/ 55						.0	.0											2	2													
54/ 53						.0	.0											2	2													
52/ 51						.0	.0											3	3													
50/ 49						.0												3	3													
48/ 47				.0	.2	.2												32	32													
46/ 45			.0	.1	.2	.1												26	26	2												
44/ 43				.1	.2	.1												25	25	3												
42/ 41		.0	.0	.2	.2	.1												28	28	10												
40/ 39				.2	.1	.0												43	43	31	1											
38/ 37		.1	.2	.2	.0													35	35	39	1											
36/ 35		.1	.4	.2														49	49	56	3											
34/ 33	.1	.1	.4	.0														45	45	57	12											
32/ 31		.3	.5	.0														56	56	59	23											
30/ 29	.0	.4	.8	.0														94	94	72	63											
28/ 27	.1	.6	.4															82	82	85	59											
26/ 25	.1	1.2	.5	.0														134	134	120	76											
24/ 23	.2	1.4	.5															157	157	136	91											
22/ 21	.2	1.4	.2															141	141	157	141											
20/ 19	.4	2.3	.3															217	217	183	138											
18/ 17	1.0	2.7	.1															283	283	305	158											
16/ 15	1.4	3.3	.2															363	363	338	168											
14/ 13	1.6	2.6	.1															314	314	343	270											
12/ 11	1.6	2.9	.1															335	335	337	315											
10/ 9	2.4	2.9	.0															390	390	398	272											
8/ 7	2.0	2.5																337	337	367	325											
6/ 5	2.1	2.5																343	343	332	339											
4/ 3	2.4	2.1	.0															329	329	360	320											
2/ 1	2.7	2.3																376	376	377	320											
0/ -1	2.7	2.0																350	350	353	307											
-2/ -3	3.0	1.6																338	338	361	342											
-4/ -5	3.6	1.4																368	368	360	343											
-6/ -7	3.8	.8																342	342	372	337											
-8/ -9	3.1	.7																281	281	288	385											
-10/-11	2.5	.8																244	244	236	348											
Element (X)	Σ X'		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total									
Dry Bulb																																
Wet Bulb																																
Dew Point																																

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DUT
STATION	STATION NAME

57-66

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MONTH

YEARS

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HOURS: 5 Y

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

26210	FORT SIMPSON NWT DUT
STATION	STATION NAME

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APR

PAGE 1

ALL

HOURS (L, S, T.)

[illegible]

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DLT
STATION	STATION NAME

57-66

YEARS

APR  
MONTH

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ALL  
HOURS 11 5 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
2/-1	.9	.4																91	91	104	187											
0/-1	.6	.3																67	67	68	168											
-2/-3	.6	.3																65	65	70	183											
-4/-5	.4	.1																37	37	39	101											
-6/-7	.3	.1																23	23	26	71											
-8/-9	.2	.0																15	15	15	75											
-10/-11	.3																	18	18	20	47											
-12/-13	.1																	9	9	9	42											
-14/-15	.1	.0																12	12	11	21											
-16/-17	.1																	9	9	10	13											
-18/-19	.1																	6	6	6	17											
-20/-21	.1																	4	4	4	14											
-22/-23	.1																	4	4	4	8											
-24/-25	.0																	3	3	3	5											
-26/-27	.0																	2	2	2	6											
-28/-29	.0																	1	1	1	2											
-30/-31	.0																	1	1	1												
-32/-33																					2											
-34/-35																					3											
-36/-37																					1											
-38/-39																					1											
TOTAL	15.4	46.9	21.1	8.4	4.3	2.0	1.1	.5	.3	.0								7200	7200	7200												



## PSYCHROMETRIC SUMMARY

26214

FORT SIMPSON NWT DIST

**57-66**

AY

MONTH

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HOURS U. S. T.

Temp. (F.)		WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
78/ 77											.0	.0							5	5													
76/ 75									.1	.0	.0	.1							17	17													
74/ 73								.0	.1	.1	.1	.0	.1	.0					43	43													
72/ 71								.1	.1	.1	.1	.2	.0						49	49													
70/ 69						.0	.0	.1	.2	.2	.3	.1	.0						73	73													
68/ 67						.1	.3	.4	.4	.4	.3	.0							108	108													
66/ 65					.0	.2	.4	.6	.3	.1									119	119													
64/ 63					.1	.4	.8	.9	.3	.0									189	189													
62/ 61				.0	.3	.5	1.0	.6	.2										201	201	8												
60/ 59				.1	.6	1.3	.8	.3	.1										238	238	29												
58/ 57			.0	.0	.2	.9	1.7	.7	.2										279	279	40	1											
56/ 55	.0	.0	.2	.5	1.4	1.4	.4	.2											307	307	113	1											
54/ 53		.2	.4	.8	1.4	.9	.6	.1											324	324	184	5											
52/ 51	.1	.4	.7	1.3	1.7	.8	.2	.1											388	388	343	43											
50/ 49	.0	.6	1.0	2.3	1.4	.8	.1	.0											462	462	474	84											
48/ 47	.1	.7	1.5	2.2	1.0	.3	.1												451	451	539	158											
46/ 45	.2	1.1	2.2	1.8	.9	.3	.0												483	483	594	205											
44/ 43	.3	1.6	2.6	2.0	.8	.2	.0												547	547	620	325											
42/ 41	.2	1.8	2.6	1.5	.6	.1													493	493	663	479											
40/ 39	.2	2.1	2.3	1.1	.4	.1													456	456	618	603											
38/ 37	.1	2.3	2.1	1.2	.2														439	439	632	814											
36/ 35	.4	2.2	1.8	.7	.0														380	380	536	754											
34/ 33	.6	2.0	1.5	.3	.0														326	326	477	723											
32/ 31	.4	1.9	1.3	.2															279	279	402	625											
30/ 29	.2	1.8	.8	.0															207	207	355	901											
28/ 27	.1	1.3	.5	.0															137	137	231	494											
26/ 25	.0	.9	.3																93	93	145	397											
24/ 23	.1	.9	.1																87	87	106	305											
22/ 21	.1	.8	.1																75	75	95	237											
20/ 19	.1	.6	.0																														

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

DAY

MONTH

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ALL

HOURS: 11:30 - 1:30

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
10/ 9	.0	.0																6	6	5	33	
8/ 7	.0	.0																4	4	6	13	
6/ 5	.0																	1	1	1	7	
4/ 3	.0																	1	1	1	6	
2/ 1																					3	
0/ -1																					2	
TOTAL	3.723	7.22	1.16	2.11	9.3	5.8	3.9	1.8	.9	.5	.2	.0						7392	7393	7392	7392	

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST  
STATION STATION NAME

57-66

JUN  
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**All**

ALL  
HOURS U. S. T.

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

**57-66**

JUN  
MONTH

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ALL

HOURS L. S. T.

[illegible]

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

76210 FIFT SIMPSON NWT DIST  
STATION NAME

57-66

JUL  
MONTH

PAGE 1

ALL

HOURS : S. T.

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT OUT

57-66

AUG

**KEYWORDS:** child abuse; child sexual abuse; child sexual exploitation; child sexual abuse; child sexual exploitation; child sexual abuse; child sexual exploitation

STATION NAME

YEARS

**MONTH**

PAGE 1

ALL

MOUPS — 5. 7.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B.-W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb Dew Point				
84/ 83									.1	.1	.0	.0						13	13				
82/ 81									.1	.1	.1	.2						38	38				
80/ 79								.1	.3	.2	.3	.1						71	71				
78/ 77							.1	.3	.5	.4	.3	.1	.0					129	129				
76/ 75					.0	.2	.3	.5	.5	.5	.1	.1						146	146				
74/ 73					.1	.7	.7	.7	.7	.3	.1	.0						190	190				
72/ 71			.0	.1	.4	.7	.8	.5	.3	.1								210	210				
70/ 69			.0	.3	.8	1.4	.7	.5	.1									295	295				
68/ 67		.0	.2	.3	1.0	1.0	.6	.2	.1									267	267	38			
66/ 65		.1	.5	1.5	1.3	1.0	.7	.3	.1									413	413	111			
64/ 63		.3	1.4	1.7	1.9	.9	.4	.1	.0									491	491	268			
62/ 61	.0	.9	2.1	2.2	1.3	.6	.3	.0										549	549	433			
60/ 59	.1	2.1	2.7	2.2	1.1	.4	.1											648	648	679			
58/ 57	.1	2.6	2.4	1.6	.7	.5	.1											605	605	804			
56/ 55	.5	3.1	2.3	1.4	.9	.4	.0											634	634	944			
54/ 53	.8	3.4	2.2	1.1	.6	.1	.0											612	612	828			
52/ 51	1.0	3.4	1.7	1.0	.3	.0	.0											560	560	795			
50/ 49	.7	3.5	1.7	.8	.1													501	501	671			
48/ 47	.5	2.4	1.3	.4	.1													350	350	612			
46/ 45	.8	1.8	1.0	.2														283	283	468			
44/ 43	.5	1.2	.4	.0														159	159	343			
42/ 41	.6	.9	.2															121	121	210			
40/ 39	.3	.3	.1															64	64	105			
38/ 37	.2	.3																42	42	58			
36/ 35	.1	.2																23	23	38			
34/ 33	.1	.1																12	12	17			
32/ 31	.1	.0																7	7	9			
30/ 29		.0																2	2	2			
28/ 27	.1	.0																5	5	6			
26/ 25																				3			
TOTAL	6.5	26.8	20.1	15.0	10.6	7.9	5.3	3.8	2.3	1.0	.5	.1						7440	7440	7440			

Element (X)	Σx'	Σx	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 3				

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

26210	FURT SIMPSON NWT DOT
STATION	STATION NAME

57-66

SEP  
MONTH

PAGE 1

ALL  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

**57-66**

SEP  
MONTH

PAGE 2

ALL  
HOURS (L. S. T.)

[illegible]



2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DDT  
STATION STATION NAME

57-66

YEARS

OCT

MONTH

PAGE 1

ALL

HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B.-W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point													
66/ 65							.0	.0										4													4		
62/ 61							.0	.0	.0									4													4		
60/ 59							.1	.1	.1									9													9		
58/ 57						.0	.1	.1	.0									13													13		
56/ 55						.1	.0	.1	.1	.0								20													20		
54/ 53					.0	.1	.1	.1	.0									21													21	2	
52/ 51		.0	.0	.2	.2	.0	.1											37													37	4	
50/ 49		.1	.2	.3	.3	.1	.1											74													74	11	
48/ 47	.0	.1	.3	.4	.3	.1	.0											93													93	27	3
46/ 45	.0	.4	.5	.6	.2	.1												139													139	76	8
44/ 43	.1	1.0	.7	.6	.2	.1												191													191	134	46
42/ 41	.3	1.2	.9	.6	.1													224													224	211	115
40/ 39	1.1	1.6	1.3	.5	.1													341													341	308	199
38/ 37	.9	2.3	1.6	.4	.0													387													387	350	230
36/ 35	1.4	3.4	1.7	.1	.0													489													489	463	304
34/ 33	1.9	5.0	1.0	.1														600													600	576	452
32/ 31	2.9	5.5	.7	.0														674													674	788	636
30/ 29	3.2	5.0	.7															657													657	728	721
28/ 27	2.3	4.3	.6															538													538	553	716
26/ 25	2.5	5.1	.3															581													581	569	548
24/ 23	2.5	5.0	.2															567													567	593	539
22/ 21	2.8	3.7	.0															485													485	596	566
20/ 19	2.4	2.4	.1															359													359	433	561
18/ 17	1.8	1.6	.0															256													256	270	465
16/ 15	1.4	1.2																192													192	212	372
14/ 13	1.1	.8																145													145	162	248
12/ 11	.9	.5																100													100	119	186
10/ 9	.8	.2																81													81	88	132
8/ 7	.8	.2																69													69	71	120
6/ 5	.3	.0																27													27	31	104
4/ 3	.3																	19													19	19	72
2/ 1	.2	.0																13													13	12	36
0/ -1	.1	.0																11													11	12	15
-2/ -3	.1																	5													5	5	13
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature							Total															
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

ECT

MONTH

YEARS

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ALL

HOURS	S	T
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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

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NUV  
MONTH

YEARS

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ALL  
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
42/ 41			.0	.0														3	3				
40/ 39		.0	.0															3	3	1			
38/ 37		.0		.0														3	3	3	1		
36/ 35		.0																2	2	4	2		
34/ 33	.0	.1	.0															9	9	5	3		
32/ 31	.1	.2																21	21	12	8		
30/ 29	.3	.6	.0															67	67	58	27		
28/ 27	.6	.8																96	96	86	62		
26/ 25	.9	1.0																135	135	127	82		
24/ 23	1.2	.9																148	148	147	102		
22/ 21	1.4	1.6																217	217	194	136		
20/ 19	2.2	1.8																285	285	280	151		
18/ 17	2.2	2.1	.0															306	306	291	219		
16/ 15	3.2	2.0																368	368	367	244		
14/ 13	3.5	1.8																377	377	375	329		
12/ 11	3.7	1.7																384	384	385	333		
10/ 9	3.9	1.5																383	383	394	328		
8/ 7	3.6	1.4																362	362	374	365		
6/ 5	4.2	1.0																370	370	381	367		
4/ 3	3.5	.8																306	306	317	332		
2/ 1	3.6	.6																298	298	305	333		
0/ -1	3.4	.4																271	271	274	315		
-2/ -3	4.4	.6																359	359	356	295		
-4/ -5	4.5	.5																358	358	351	291		
-6/ -7	4.5	.5																354	354	369	288		
-8/ -9	3.5	.3																269	269	269	345		
-10/-11	3.6	.3																276	276	275	336		
-12/-13	3.0	.2																226	226	229	367		
-14/-15	2.6	.1																192	192	195	233		
-16/-17	2.1	.1																160	160	158	217		
-18/-19	1.6																	114	114	120	228		
-20/-21	1.3	.1																100	100	96	171		
-22/-23	1.0	.0																75	75	78	162		
-24/-25	.9	.0																68	68	68	88		
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>X</sub>		No. Obs.		Mean No. of Hours with Temperature												
Ref. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT OUT
STATION	STATION NAME

57-66

YEARS

NOV  
MONTH

PAGE 2

ALL  
HOURS (L.S.T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

57-66

DEC

MONTH

YEARS

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ALL

HOURS 11 - 5 - T.

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DDT
STATION	STATION NAME

57-66

YEARS

DEC  
MONTH

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ALL

ALL  
HOURS 11, 5, 7, 9

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
-28/-29	2.0	.1																190	190	185	185					
-30/-31	2.4	.0																174	174	178	240					
-32/-33	1.9	.0																138	140	137	208					
-34/-35	1.2	.1																89	130	90	194					
-36/-37	.0																	1	90	2	146					
-38/-39																			71		113					
-40/-41																			54		98					
-42/-43																			52		18					
-44/-45																			41		25					
-46/-47																			16		5					
-48/-49																			2		6					
-52/-53																					4					
TOTAL	9.5	10.2	.2	.1														7069	7440	7069	7069					

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	42728953	547053	77.4	7.408	7068							
Dry Bulb	2223255	-73701	-9.9	14.168	7440	567.3	741.7					744
Wet Bulb	1634985	-59919	-8.5	12.628	7069	560.3	742.2					744
Dew Point	2394309	-46031	-13.6	13.506	7069	628.0	743.7					744

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DDT

57-66

JAN

STATION

STATION NAME

YEARS

PAGE 1 0000-0200

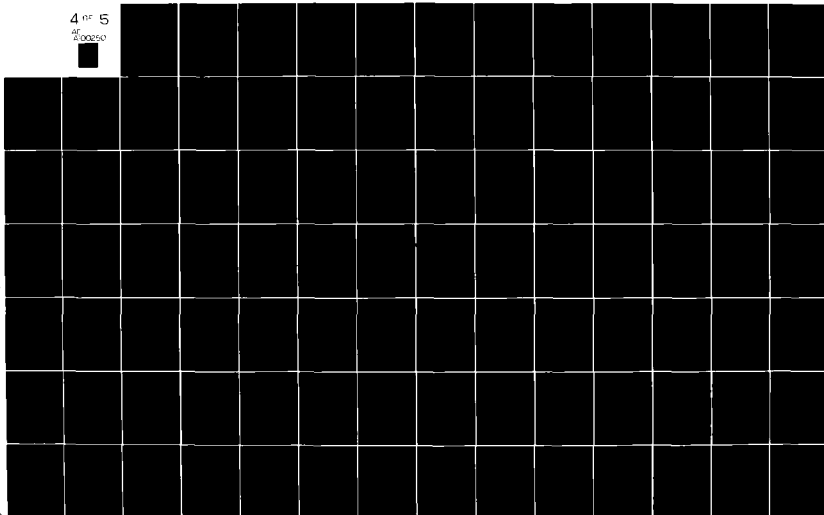
MO. RS. YR.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.		TOTAL Dry Bulb		TOTAL Wet Bulb		TOTAL Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29	30	> 31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A100 250 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/6 4/2  
FORT SIMPSON, NORTHWEST TERRITORIES, CANADA, REVISED UNIFORM SU--ETC (11)  
JAN 72  
UNCLASSIFIED USAFETAC/DS-81/045 SBIE-AD-E050 073 M.

4 of 5  
AF 000000





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

26210	FORT SIMPSON NWT DUT
STATION	STATION NAME

57-66

JAN  
MONTH

PAGE 2 0000-0200

MOARS 11-5-7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-32/-33	3.3	.1																27	27	27	39														
-34/-35	1.9	.4																18	26	16	39														
-36/-37																			20	2	31														
-38/-39																			17		18														
-40/-41																			19		9														
-42/-43																			28		13														
-44/-45																			12		6														
-46/-47																			14		3														
-48/-49																			13		1														
-50/-51																			6																
-52/-53																			8																
-54/-55																					3														
TOTAL	17.5	1.7	.4	.4														783	930	783	783														

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4367331	58019	74.1	9.340	783							
Dry Bulb	530801	-15683	-16.9	16.932	930	80.5	92.7					93
Wet Bulb	264843	-9633	-12.3	13.679	783	78.3	93.0					93
Dew Point	430344	-14240	-18.2	14.803	783	81.8	93.0					93

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

**57-66**

YEARS

JAN

MONTH

PAGE 1 0300-0500

HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FURT SIMPSON NWT DUT
STATION	STATION NAME

**57-66**

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0300-0500

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
-34/-35	.7																	5	10	5	38			
-36/-37	.1																	1	40	1	20			
-38/-39																			19		26			
-40/-41																			22		9			
-42/-43																			23		4			
-44/-45																			16		3			
-46/-47																			13		1			
-48/-49																			9					
-50/-51																			6					
-52/-53																			8					
-54/-55																			7		1			
TOTAL	4.3	14.9	.4	.4														763	930	763	762			

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210

FORTY SIMPSON NWT DJT

57-66

JAN

STATION

STATION NAME

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0600-0800

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
34/ 33	.1																	1	1	1					
32/ 31	.1	.4																4	4	2	2				
30/ 29	.4	.1	.4															7	7	6	3				
28/ 27		.3	.1															3	3		4				
26/ 25	.3	.1																3	3	9					
24/ 23																					2				
22/ 21																					1				
20/ 19	.3	.1																3	3	2	2				
18/ 17		.3																2	2	1	4				
16/ 15	.3																	2	2	4	1				
14/ 13	.1	.4																4	4	4	1				
12/ 11	.9	.5																11	11	9	3				
10/ 9	1.6	.7																17	17	18	4				
8/ 7	1.8	1.2																23	23	21	11				
6/ 5	1.5	1.6																23	23	22	15				
4/ 3	2.0	.8																21	21	21	22				
2/ 1	.8	.7																11	11	12	16				
0/ -1	2.2	.1																18	18	20	20				
-2/ -3	3.6	.5																31	31	30	15				
-4/ -5	5.2	1.2																48	48	46	19				
-6/ -7	3.3	.9																32	32	33	19				
-8/ -9	4.0																	30	30	33	31				
-10/-11	6.7	.4																54	54	51	37				
-12/-13	5.8	.7																49	49	51	44				
-14/-15	5.0	.7																43	43	43	29				
-16/-17	6.3	.3																50	50	51	37				
-18/-19	5.7	.1																44	44	44	52				
-20/-21	5.5	.3																44	44	43	42				
-22/-23	3.8																	29	29	30	51				
-24/-25	4.8	.3																38	38	37	41				
-26/-27	3.4	.1																27	27	27	39				
-28/-29	2.6	.1																21	21	22	39				
-30/-31	2.9																	22	22	22	28				
-32/-33	2.9																	22	23	22	28				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature							Total							
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DUT  
STATION STATION NAME

57-66

YEARS

JAN  
MONTH

PAGE 1 0900-1100  
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
38/ 37																		1	1					
34/ 33			.1															1	1					
32/ 31		.2																2	2	1				
30/ 29		.3																2	2	4				
28/ 27		.3	.1															3	3	2	3			
26/ 25			.1															1	1	1	2			
24/ 23	.4	.1																4	4	5	2			
22/ 21		.1																1	1	1	3			
20/ 19																				1	1			
18/ 17	.1	.5																5	5	1	2			
16/ 15	.5	.4																7	7	8	1			
14/ 13		.9																7	7	6	3			
12/ 11	.4	.7																8	8	10	4			
10/ 9	.8	1.3																16	16	11	8			
8/ 7	1.4	1.1																19	19	22	5			
6/ 5	1.8	1.4																25	25	24	12			
4/ 3	2.1	.8																22	22	24	16			
2/ 1	1.1	.8																14	14	13	18			
0/ -1	2.1	.7																21	21	24	25			
-2/ -3	2.9	.9																29	29	26	23			
-4/ -5	3.8	1.2																38	38	37	18			
-6/ -7	3.7	1.2																37	37	37	18			
-8/ -9	4.0	.9																37	37	38	26			
-10/-11	5.4	.9																48	48	49	23			
-12/-13	6.6	1.1																58	58	57	47			
-14/-15	6.6	.3																52	52	55	34			
-16/-17	6.3	.4																51	51	52	42			
-18/-19	4.2	.4																35	35	35	61			
-20/-21	3.0	.5																42	42	40	45			
-22/-23	3.8	.1																30	30	31	53			
-24/-25	4.7																	36	36	37	46			
-26/-27	2.8																	21	21	21	33			
-28/-29	4.0	.3																32	32	30	27			
-30/-31	4.0																	30	31	32	37			
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature									Total				
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

**57-66**

JAN

MONTH

**YEARS**

PAGE 2

0900-1100

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-32/-33	1.7	.4																16	17	14	29			
-34/-35	1.1																	8	24	10	27			
-36/-37																			25		24			
-38/-39																			22		13			
-40/-41																			33		14			
-42/-43																			26		4			
-44/-45																			9		5			
-46/-47																			11		2			
-48/-49																			8		2			
-50/-51																			9		1			
-52/-53																			6					
-54/-55																			3					
-56/-57																			1					
TOTAL	31.3	18.2	.4			.1													759	930	759			

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26.5 (OL A)

USAFETAC FORM JUL 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DUT

57-66

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
44/ 43				.1														1	1					
40/ 39				.1														1	1					
38/ 37				.2	.1													3	3	1				
34/ 33																				1				
32/ 31			.2															2	2	3	1			
30/ 29		.2																2	2					
28/ 27		.1	.1															2	2	5				
26/ 25																				1	1			
24/ 23																		1	1					
22/ 21	.1	.2	.2															5	5	4	2			
20/ 19	.1	.3																5	5	2	4			
18/ 17	.4	.1																4	4	9	4			
16/ 15	.1	.3																5	5	3	2			
14/ 13	.2	1.2																12	12	10	3			
12/ 11	.4	.9																11	11	11	5			
10/ 9	1.4	1.3																23	23	17	4			
8/ 7	.6	1.3																16	16	17	16			
6/ 5	1.9	1.2																26	26	31	10			
4/ 3	1.8	.3																19	19	20	11			
2/ 1	1.4	.6																17	17	17	20			
0/ -1	2.7	1.4																34	35	33	26			
-2/ -3	3.2	1.4																39	39	36	25			
-4/ -5	3.9	.9																41	41	46	29			
-6/ -7	3.6	.9																39	39	36	15			
-8/ -9	4.9	1.1																51	51	52	29			
-10/-11	5.8	.9																57	57	57	44			
-12/-13	3.4	.4																32	32	36	49			
-14/-15	6.0	.7																57	57	56	44			
-16/-17	4.8	.2																43	43	43	40			
-18/-19	3.8	.2																34	34	36	55			
-20/-21	5.3	.1																46	46	45	48			
-22/-23	4.5	.2																40	40	41	42			
-24/-25	3.5	.2																32	32	32	39			
-26/-27	3.5	.4																33	33	32	45			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature												Total	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								



57-66

## STATISTICS

STATION NAME

YEARS

105

PAGE 2 1200-1400

HOURS : S. T.

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DDT  
STATION STATION NAME

57-66

YEARS

JAN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point															
46/ 45				.1															1	1																
44/ 43				.2															2	2																
40/ 39				.2	.1														3	3	1															
38/ 37			.1	.1															2	2	2															
34/ 33																					4															
32/ 31				.2															2	2	1	2														
30/ 29				.1															1	1		2														
28/ 27																					2															
26/ 25		.2		.1															3	3	1															
24/ 23		.2																	2	2	4	3														
22/ 21	.2	.3																	6	6	5	4														
20/ 19	.3	.3	.2																8	8	6	6														
18/ 17	.2	.6																	7	7	10	6														
16/ 15	.1	.5																	5	5	3	4														
14/ 13	.1	.2																	3	3	4	5														
12/ 11	.3	.1																	4	4	5	3														
10/ 9	1.2	.8																	17	17	14	5														
8/ 7	1.2	1.6																	24	24	17	7														
6/ 5	2.1	1.4																	30	30	37	12														
4/ 3	.6	.9																	13	13	12	11														
2/ 1	1.0	.7																	15	15	18	23														
0/ -1	3.3	.9																	36	36	34	22														
-2/ -3	3.3	1.3																	41	41	38	14														
-4/ -5	4.4	.7																	44	44	48	28														
-6/ -7	4.2	.8																	43	43	41	28														
-8/ -9	3.6	1.2																	41	41	40	38														
-10/-11	5.6																		48	48	54	40														
-12/-13	4.7	.9																	44	44	43	39														
-14/-15	4.9	.9																	46	46	45	42														
-16/-17	5.0	.1																	44	44	46	41														
-18/-19	5.2																		45	45	45	49														
-20/-21	5.0	.3																	46	46	45	39														
-22/-23	4.3																		37	37	38	46														
-24/-25	3.6	.5																	35	35	31	56														
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																									
Ref. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																			
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

26210 FORT SIMPSON NWT DIST  
STATION STATION NAME

57-66

JAN  
MONTH

PAGE 2 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-26/-27	4.9	.1																43	43	46	46
-28/-29	4.0	.2																36	36	36	27
-30/-31	5.6	.1																49	50	49	42
-32/-33	1.7																	15	15	16	32
-34/-35	2.2																	19	23	19	36
-36/-37																			17		45
-38/-39																			13		23
-40/-41																			19		18
-42/-43																			4		5
-44/-45																			4		5
-46/-47																			3		4
-48/-49																			5		1
-52/-53																					1
TOTAL	2.8	15.6	.8	.7	.1													860	930	860	860

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT OUT

57-66

JAN

PAGE 1 1800-2000

HOURS 11 51 10

Temp. F.	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
44/ 43				.1	.1													2	2																
42/ 41					.2													2	2																
40/ 39				.1	.2													3	3																
38/ 37																					1														
36/ 35			.1															1	2		1														
34/ 33		.1	.2															3	3		5														
32/ 31																					2														
30/ 29		.2																2	2		2														
28/ 27		.1																1	1		2														
26/ 25		.1																1	1		1														
24/ 23	.1																	1	1		2														
22/ 21	.2	.2																4	4		4														
20/ 19	.2	.5	.1															7	7		3														
18/ 17	.4	.6																8	8		8														
16/ 15	.4	.4																6	6	10	3														
14/ 13	.5	.2																6	6		10														
12/ 11	.4	.1																4	4		4														
10/ 9	1.2	.1																11	11	11	7														
8/ 7	1.3	1.0																19	19	16	3														
6/ 5	2.3	.4																22	22	25	10														
4/ 3	1.3	.2																13	13	13	14														
2/ 1	1.8	1.1																24	24	20	26														
0/ -1	1.7	.9																21	21	23	11														
-2/ -3	2.8	.4																26	26	28	16														
-4/ -5	5.1	1.5																54	53	49	15														
-6/ -7	4.4	.4																39	39	45	26														
-8/ -9	3.8	.9																38	38	34	33														
-10/-11	4.4	.9																40	40	41	36														
-12/-13	6.4	.2																53	53	57	45														
-14/-15	5.0	.7																47	47	47	37														
-16/-17	3.8	.4																34	34	33	50														
-18/-19	5.7	.2																49	49	50	47														
-20/-21	7.3	.6																65	65	64	39														
-22/-23	4.3	.1																36	36	38	49														
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

20210 FORT SIMPSON NWT DIST  
STATION NAME

**57-66**

JA? MONTH

PAGE 2 1800-2000

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
-24/-25	2.7	.1																23	23	23	55			
-26/-27	4.0	.2																35	35	34	43			
-28/-29	4.3	.2																37	37	37	21			
-30/-31	4.0																	33	33	34	31			
-32/-33	2.9	.4																27	27	25	30			
-34/-35	2.7	.1																23	27	25	40			
-36/-37																			24		41			
-38/-39																			12		14			
-40/-41																			24		15			
-42/-43																			16		6			
-44/-45																			7		10			
-46/-47																			7		8			
-48/-49																			6		5			
-50/-51																			6		1			
TOTAL	5.413.3	.5	.2	.6														822	930	822	822			

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4483458	60144	73.210.046		822							93
Dry Bulb	469203	-14243	-15.316.440		930	78.9	91.8					93
Wet Bulb	782830	-10090	-12.313.913		822	77.7	92.2					93
Dew Point	460100	-15122	-18.414.883		822	81.9	93.0					93

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST

**57-66**

JAN

PAGE 1      2100-2300  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT OUT
STATION	STATION NAME

**57-66**

YEARS

JAN  
MONTH

PAGE 2 2100-2300  
HOURS - S. Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-24/-25	4.4	.1																36	36	37	48		
-26/-27	3.9	.1																32	32	32	32		
-28/-29	4.4	.1																36	36	35	29		
-30/-31	3.2	.5																29	29	27	27		
-32/-33	3.4																	27	27	30	47		
-34/-35	1.3																	10	19	10	30		
-36/-37																			25		26		
-38/-39																			12		16		
-40/-41																			27		17		
-42/-43																			19		7		
-44/-45																			14		7		
-46/-47																			19		3		
-48/-49																			5		1		
-50/-51																			5				
-52/-53																			4		1		
-54/-55																					4		
TOTAL	44.8	14.3	.1	.5		.3												788	930	788	788		

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4342260	57948	73.5	10.137	788	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	511392	-15230	-16.4	16.793	930	79.8	92.4					93
Wet Bulb	263867	-9579	-12.2	13.687	788	77.7	92.6					93
Dew Point	436284	-14332	-18.2	14.938	788	82.3	93.0					93

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

FEB

PAGE 1 0000-0200

HOURS: 9-5 S. T. 1-800-451-1111

[illegible]



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DPT  
STATION

57-66

FEB

MONTH

YEARS

PAGE 2 0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point															
-34/-35	1.6																	13	15	13	34															
-36/-37																			13		18															
-38/-39																			11		14															
-40/-41																			12		17															
-42/-43																			2		3															
-44/-45																			2		1															
-46/-47																			4		1															
-50/-51																					1															
-54/-55																					2															
-60/-61																					1															
TOTAL	5.1	14.3	.5	.1														797	846	797	797															

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DUT
STATION	STATION NAME

57-66

YEARS

FEA  
MONTH

PAGE 1 0300-0500

MOORE, J. E. T.

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

57-66

FER  
MONTH

PAGE 2      0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point															
-32/-33	2.2	.1																18	18	17	33															
-34/-35	1.0	.1																9	11	10	38															
-36/-37																			16		27															
-38/-39																			13		23															
-40/-41																			9		21															
-42/-43																			7		5															
-44/-45																			5		4															
-46/-47																			4		3															
-48/-49																			2																	
-52/-53																					1															
-56/-57																					1															
TOTAL	6.0	13.2	.6															788	846	788	788															

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4341582	97864	73.4	10.844	788							84
Dry Bulb	336153	-11201	-13.2	14.910	846	67.8	83.4					84
Wet Bulb	242791	-9009	-11.4	13.328	788	66.7	83.5					84
Dew Point	415135	-13829	-17.5	14.803	788	72.6	83.5					84

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210

FORT SIMPSON NWT DOT  
STATION NAME

**57-66**

YEARS

FEB

MONTH

PAGE 1

0600-0800  
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

**FER**  
**MONTH**

PAGE 2 0600-0800  
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A) REVISÉD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

57-66

**FEB**  
MONTH

PAGE 1 0900-1100  
HOURS . S. T.

[illegible]

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR MEATER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DDT  
STATION

57-66

YEARS

FEB

MONTH

PAGE 2

0900-1100  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
-30/-31	2.6	.1																22	22	21	42											
-32/-33	2.1	.1																18	18	19	27											
-34/-35	1.2	.1																11	15	11	36											
-36/-37																			11			26										
-38/-39																				4		22										
-40/-41																				3		14										
-42/-43																						8										
-44/-45																						2										
-46/-47																				1		3										
-48/-49																				3		1										
-50/-51																				1												
-52/-53																				1		1										
TOTAL	77.1	22.1	.2	.4	.1													818	846	818	818											

Element (X)	Σ x'	Σ x	Σ x	Σ x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4269381	58463	71.5	10.553	818	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	280221	-9961	-11.8	13.886	846	67.8	83.4					84
Wet Bulb	235684	-9078	-11.1	12.892	818	68.1	83.4					84
Dew Point	415806	-14462	-17.7	14.000	818	74.9	83.9					84

USAFETAC FORM 0-26.5 (OL A) JUL 64  
REPLACE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## 2

FER  
MONTH

PAGE 2 1200-1400  
HOURS 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
-28/-29	.1																	1	1	1	28																
-30/-31	.N																	7	7	7	21																
-32/-33	.2																	2	2	2	17																
-34/-35	.3																	4	4	4	16																
-36/-37																			1		8																
-38/-39																			1		5																
-40/-41																				1	8																
-42/-43																				1	1																
-46/-47																					1																
TOTAL	7.829.9	1.1	1.0	.2														842	846		842																

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	4342456	59766	71.010.916		842							
Dry Bulb	169909	-4843	-5.712.971		846	59.6	82.7					84
Wet Bulb	158587	-5037	-6.012.359		842	60.6	83.2					84
Dew Point	290654	-10746	-12.813.510		842	69.1	84.0					84

USAFETAC  
FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210

FORT SIMPSON NWT UNIT

57-66

FEB  
MONTHPAGE 2 1500-1700  
HOURS (L, S, T, )

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																									
-26/-29		.6	.1															6	6	6	19																									
-30/-31																					16																									
-37/-33		.2																2	2	2	8																									
-34/-35		.6																5	5	5	11																									
-36/-37																					3																									
-38/-39																					3																									
-40/-41																					7																									
-42/-43																					2																									
-44/-45																					1																									
-46/-47																					3																									
TOTAL	7.33	1.1	.6	.9	.1													846	846	846	846																									
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature																							Total												
Rel. Hum.	4490324		60990		72.1		10.515		846		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F																									
Dry Bulb	149492		-3504		-4.1		12.639		846		56.5		82.7																				84													
Wet Bulb	143985		-3851		-4.6		12.233		846		57.2		83.2																				84													
Dew Point	254634		-9354		-11.1		13.377		846		67.7		84.0																				84													

USAFETAC  
FORM 026-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

57-66

FLA  
MONTE

PAGE 1 1800-2000  
HOURS S. T.

[illegible]



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

26210 FORT SIMPSON NWT DOT  
STATION STATION NAME

**57-66**

**FEB**  
**MONTH**

PAGE 1 2100-2300  
HOURS IL, S, T, J

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
36/ 35			.1	.1														2	2													
32/ 31																				1												
30/ 29		.2	.2															4	4	1												
28/ 27		.1																1	1	2	2											
26/ 25	.2	.4																5	5	6	1											
24/ 23	.1	.1																2	2	3	3											
22/ 21		.3																4	4	2	4											
20/ 19		.5																4	4	3	3											
18/ 17	.5	.4																7	7	9	3											
16/ 15	.6																	5	5	7	6											
14/ 13	.6	.9																12	12	6	8											
12/ 11	2.6	.4																24	24	29	4											
10/ 9	1.0	.7																14	14	14	15											
8/ 7	2.2	1.0																26	26	22	19											
6/ 5	3.2	1.0																34	34	34	18											
4/ 3	3.1	1.0																33	33	35	22											
2/ 1	2.7	.9																29	29	28	30											
0/ -1	2.5	.7																26	26	27	24											
-2/ -3	3.4	1.8																43	43	39	25											
-4/ -5	3.7	1.0																39	38	43	33											
-6/ -7	6.0	1.0																57	57	55	29											
-8/ -9	4.2	1.0																42	42	40	37											
-10/-11	3.2	1.0																34	34	37	31											
-12/-13	4.9	.4																43	43	43	45											
-14/-15	5.1	1.1																51	51	52	37											
-16/-17	4.7	.9																49	49	49	33											
-18/-19	2.8	.2																25	25	29	32											
-20/-21	4.0	.2																35	35	33	54											
-22/-23	5.0	.2																43	43	44	41											
-24/-25	4.5	.2																39	39	40	32											
-26/-27	4.2	.1																35	35	35	42											
-28/-29	2.1																	17	17	17	33											
-30/-31	2.1																	17	17	17	39											
-32/-33	2.0																															

USAFETAC FORM 0.26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

57-66

**E F B**

MONTH

PAGE 2 2100-2300

HOURS: 11 A.M. - 5 P.M.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
-34/-35	.5																	4	5	4	31		
-36/-37																			17		24		
-38/-39																			6		15		
-40/-41																			3		8		
-42/-43																					2		
-44/-45																			2				
-46/-47																			1				
-54/-55																					1		
-58/-59																					1		
TOTAL	81.6	17.9	.4	.1														816	846	816	816		

USAFETAC FORM 0.26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

57-66

11A B

PAGE 2 0000-0200

HOURS (L, S, T, J)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
-24/-25	1.7	.1																17	17	17	37													
-26/-27	1.1																	10	10	10	19													
-28/-29	.8	.1																8	8	8	14													
-30/-31	.9	.2																10	10	9	20													
-32/-33	.4																	4	4	5	15													
-34/-35	.2																	2	3	2	3													
-36/-37																			8		12													
-38/-39																			1		3													
-40/-41																					4													
-42/-43																					4													
-44/-45																					1													
-46/-47																					1													
-48/-49																																		
TOTAL	59.0	28.4	2.1	.4	.1													920	930	920	920													

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	Total
Rel. Hum.	5369080	69792	75.9	9.010	920							93
Dry Bulb	221188	-870	-0.9	15.402	930	51.4	91.1					93
Wet Bulb	196731	-893	-1.0	14.599	920	51.6	92.1					93
Dew Point	260404	-5926	-6.4	15.551	920	61.7	93.0					93

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DNT  
STATION STATION NAME

57-66

YEARS

MAR  
MONTHPAGE 1 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
42/ 41				.1														1	1					
38/ 37		.4	.1															5	5					
36/ 35			.1															1	1	6				
34/ 33		.2																2	2		2			
32/ 31																				3	4			
30/ 29		.2	.5															7	7		1			
28/ 27	.1	.5																6	6	7	2			
26/ 25	.3	1.0	.1															13	13	10	3			
24/ 23	.3	1.7																19	19	18	7			
22/ 21	.1	.7																7	7	14	9			
20/ 19	.3	.7																9	9	7	17			
18/ 17	.8	1.9																24	24	19	14			
16/ 15	1.5	1.4																27	27	32	8			
14/ 13	1.5	1.6																29	29	25	23			
12/ 11	2.4	1.4																35	35	42	28			
10/ 9	2.7	1.3																37	37	33	24			
8/ 7	3.1	1.6																43	43	45	40			
6/ 5	2.5	.9																31	31	32	40			
4/ 3	3.4	1.1																41	41	39	23			
2/ 1	1.9	1.9																34	34	30	35			
0/ -1	2.1	2.1																38	38	40	35			
-2/ -3	3.5	1.5																46	46	47	27			
-4/ -5	3.8	.9																43	43	46	29			
-6/ -7	6.3	.5																63	63	63	43			
-8/ -9	3.5	.5																37	37	38	41			
-10/-11	2.6	.9																32	32	29	51			
-12/-13	5.5	.9																58	58	61	50			
-14/-15	3.9	.2																38	38	38	25			
-16/-17	3.6	.4																37	37	37	31			
-18/-19	2.3	.1																22	22	24	52			
-20/-21	2.4	.3																25	25	23	50			
-22/-23	2.6	.4																28	28	29	28			
-24/-25	1.9	.2																19	19	20	29			
-26/-27	1.7	.1																17	17	17	20			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_X$		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 44 JUL 64 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

26210	FORT SIMPSON NWT DUT
STATION	STATION NAME

57-66

YEARS

MAR  
MONTH

PAGE 2 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
-28/-29	1.5	.1																15	15	14	17				
-30/-31	1.5	.1																15	15	16	24				
-32/-33	.8	.1																8	8	8	33				
-34/-35	.4																	4	6	4	9				
-36/-37																			6		13				
-38/-39																			5		5				
-40/-41																			1		4				
-42/-43																					3				
-44/-45																					4				
-46/-47																					2				
-48/-49																					1				
-50/-51																					1				
TOTAL	71.0	28.1	.9	.1														916	930	916	916				

Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5323754	69334	75.7	9.097	916							93
Dry Bulb	230972	-3032	-3.3	15.427	930	55.9	92.1					93
Wet Bulb	203269	-2821	-3.1	16.658	916	56.2	92.4					93
Dew Point	299717	-7873	-8.6	15.925	916	64.6	92.8					93

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT OUT

57-66

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800

HOURS	1	5	10
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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point												
38/ 37			.1															1	1														
36/ 35		.2																3	3														
34/ 33	.1	.3																5	5	5													
32/ 31		.2	.1															2	2	3	1												
30/ 29		.3	.5															8	8	3	5												
28/ 27		.3	.2															5	5	5	1												
26/ 25		1.1																10	10	9	3												
24/ 23	.2	.9																10	10	16	5												
22/ 21	.3	1.2																14	14	10	11												
20/ 19	.1	.8																8	8	9	14												
18/ 17	.3	.7																9	9	13	14												
16/ 15	1.5	1.6																29	29	26	3												
14/ 13	1.6	1.3																27	27	29	27												
12/ 11	2.5	1.0																32	32	29	18												
10/ 9	3.8	1.3																47	47	49	27												
8/ 7	2.1	1.1																29	29	32	32												
6/ 5	2.4	1.6																37	37	31	37												
4/ 3	3.9	1.1																46	46	50	28												
2/ 1	3.9	1.5																50	50	48	32												
0/ -1	2.3	1.4																34	34	33	40												
-2/ -3	3.3	.5																37	37	42	34												
-4/ -5	4.3	1.2																50	50	45	38												
-6/ -7	4.5	1.5																55	55	53	35												
-8/ -9	3.7	.9																42	42	44	45												
-10/-11	3.5	.7																38	38	40	37												
-12/-13	4.1	.8																45	45	45	53												
-14/-15	4.0	.4																41	41	41	41												
-16/-17	3.5	.7																38	38	37	28												
-18/-19	2.7	.3																28	28	30	48												
-20/-21	2.2	.3																23	23	21	57												
-22/-23	1.5	.2																16	16	19	31												
-24/-25	2.7	.4																29	29	27	24												
-26/-27	2.3																	21	21	23	20												
-28/-29	1.3	.1																13	13	12	28												
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total										
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

**57-66**

4AR

MONTH

YEARS

PAGE 2

0600-0800

HOURS 1 L. S. T. 1

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST

57-66

MAR

PAGE 1 0900-1100  
HQ-RS 5-7

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST  
STATION STATION NAME

57-66

YEARS

MAR  
MONTH

PAGE 2 0900-1100  
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
-24/-25	.9	.3																11	11	9	21				
-26/-27	.3																	3	3	5	24				
-28/-29	.1	.2																3	3	3	8				
-30/-31	.4	.1																5	5	5	5				
-32/-33	.2																	2	2	2	8				
-34/-35																					6				
-36/-37																					7				
-38/-39																			1		2				
-42/-43																					4				
-44/-45																					1				
-50/-51																					1				
TOTAL	49.3	45.2	4.1	1.2	.2													929	930	929	929				
																						929		929	

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210      FORT SIMPSON NWT DIST  
STATION      STATION NAME

57-66

MAR

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]



DATA PROCESSING DIVISION  
OSAF ETAL  
AIR WEATHER SERVICE/MAC

20210 FORT SIMPSON NWT DIST  
STATION NAME

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442

PAGE 2 1200-1400  
HOURS S. T. J.

Temp. F	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
-18/-19	.5	.5																10	10	10	17											
-20/-21	.1																	1	1	1	12											
-22/-23																					6											
-24/-25																					10											
-26/-27																					6											
-28/-29																					4											
-30/-31																					4											
-32/-33																					3											
-36/-37																					3											
-38/-39																					2											
TOTAL	74.2	60.2	10.9	1.9	1.8	1.2												930	930	930	930											

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Rel. Hum.	4298453	62363	67.1	10.990	929							93
Dry Bulb	273797	9539	10.3	13.762	930	23.5	86.9					93
Wet Bulb	218266	8178	8.8	12.551	930	25.6	88.5					93
Dew Point	170540	1124	1.2	13.495	930	45.1	92.4					93

USAFETAC  
FORM  
JUL 64  
0-26 5 (OL. A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

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PAGE 1 1500-1700

HOURS: 11:55 T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point									
56/ 55						.1	.1											2		2											
54/ 53						.1	.1											2		2											
52/ 51							.1											1		1											
50/ 49							.1											1		1											
48/ 47					1.0	.8												16		16											
46/ 45				.1	.6	.4												11		11		2									
44/ 43					.6	.2												8		8		1									
42/ 41			.1	.3	.4													8		8		2									
40/ 39			.3	.8														10		10		14									
38/ 37			.3	.3	.2													10		10		16									
36/ 35			.8	.3														10		10		14									
34/ 33		.1	.4															5		5		15									
32/ 31		.4	.4	.1														12		12		14									
30/ 29		.4	1.4	.1														23		23		14									
28/ 27		.4	1.0															13		13		17									
26/ 25		1.2	1.2	.1														23		23		18									
24/ 23	.4	2.9	1.9															49		49		18									
22/ 21	.3	1.7	.4															23		23		30									
20/ 19	.3	4.4	.6															50		50		22									
18/ 17	1.0	5.5	.5															65		65		70									
16/ 15	.6	5.9	1.0															70		70		42									
14/ 13	.3	2.6	.2															29		29		44									
12/ 11	.2	5.5	.3															56		56		63									
10/ 9	1.0	5.5	.1															61		61		38									
8/ 7	1.2	3.4																43		43		45									
6/ 5	1.2	3.1																40		40		46									
4/ 3	1.7	3.3																47		47		54									
2/ 1	3.4	3.5																65		65		48									
0/ -1	1.8	2.2																37		37		43									
-2/ -3	2.2	1.8																37		37		63									
-4/ -5	1.7	1.0																25		25		52									
-6/ -7	1.0	1.0																18		18		45									
-8/ -9	1.4	.8																20		20		48									
-10/-11	1.4	1.1																23		23		38									
Element (X)	Σ x <sup>2</sup>			Σ x			x̄			s <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature															
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																															
Wet Bulb																															
Dew Point																															

USAFETAC FORM 0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST  
STATION NAME

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YEARS

MAR

PAGE 2 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
-12/-13	.4	.1																5	5	12	27			
-14/-15	.4	.1																5	5	5	12			
-16/-17	.5	.2																7	7	7	18			
-18/-19																					12			
-20/-21																					11			
-22/-23																					6			
-24/-25																					11			
-26/-27																					5			
-28/-29																					1			
-30/-31																					1			
-32/-33																					1			
TOTAL	22.6	58.2	12.2	2.2	2.9	1.7	.3											930	930	930	930			
																			930		930			

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST

**57-66**

14A8

STATION

STATION NAME

YEARS

MONT-

PAGE 1 1800-2000

1000-2000  
HOURS 6 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point					
52/ 51						.2												2	2							
50/ 49						.1												1	1							
48/ 47					.2	.1												3	3							
46/ 45				.1														1	1							
44/ 43				.3	.4	.1												8	8	2						
42/ 41					.5													5	5	1						
40/ 39			.1	.6														7	7	3						
38/ 37			.4	.5														9	9	6						
36/ 35		.2	.6	.2														10	10	8						
34/ 33		.3	.4	.2														9	9	17						
32/ 31		.3	.4															7	7	11	4					
30/ 29	.1	1.1	.8	.1														19	19	15	12					
28/ 27		.8	.9															15	15	11	11					
26/ 25	.2	1.0	.3															14	14	23	15					
24/ 23	.1	1.8	.3															21	21	16	20					
22/ 21	.3	2.7	.1															29	29	21	17					
20/ 19	.6	3.7	.2															42	42	36	22					
18/ 17	1.5	3.0	.1															43	43	56	29					
16/ 15	1.8	4.7	.1															60	60	47	27					
14/ 13	1.8	3.2																47	47	56	48					
12/ 11	1.9	2.4	.1															41	41	48	51					
10/ 9	3.0	2.5																51	51	56	35					
8/ 7	2.8	2.7																51	51	47	53					
6/ 5	2.8	3.8																61	61	57	54					
4/ 3	1.6	1.4																28	28	40	44					
2/ 1	3.0	1.9																46	46	45	37					
0/ -1	4.1	2.7																63	63	62	46					
-2/ -3	1.9	1.9																36	36	39	50					
-4/ -5	4.5	1.6																57	57	56	51					
-6/ -7	2.5	.6																29	29	34	46					
-8/ -9	2.4	.3																25	25	28	55					
-10/ -11	1.6	.8																22	22	19	43					
-12/ -13	1.9	.1																19	19	22	41					
-14/ -15	1.1	.4																14	14	12	21					
Element (X)	Σ X'		Σ X		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total			
Dry Bulb																										
Wet Bulb																										
Dew Point																										

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

57-66

YEAR  
MONTH

PAGE 2      1800-2000  
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAL  
AIR WEATHER SERVICE/MAC

## YEARS

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MAR  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL D.B.-W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point								
48/ 47					.1													1	1									
46/ 45				.1	.1													2	2									
44/ 43				.1	.1													2	2									
42/ 41				.3	.1													4	4									
40/ 39			.2	.2	.1													5	5	3								
38/ 37			.3															3	3	2								
36/ 35		.1	.6	.2														9	9	9								
34/ 33	.1		.6															7	7	5								
32/ 31		.5	.4															9	9	7								
30/ 29	.1	.3	.1															5	5	14								
28/ 27	.1	1.3	.1															14	14	9								
26/ 25	.1	1.7	.8															24	24	16								
24/ 23		1.3	.1															13	13	18								
22/ 21		1.2																11	11	18								
20/ 19	.9	2.0																27	27	21								
18/ 17	1.7	2.3																37	37	38								
16/ 15	1.4	2.3																34	34	37								
14/ 13	2.4	2.8																48	48	40								
12/ 11	1.8	2.0																36	36	46								
10/ 9	3.3	2.7																56	56	50								
8/ 7	3.2	1.7																46	46	51								
6/ 5	2.5	2.5																46	46	44								
4/ 3	2.4	1.7																38	38	44								
2/ 1	2.2	1.3																32	32	30								
0/ -1	3.7	.6																40	40	42								
-2/ -3	3.6	1.3																45	45	46								
-4/ -5	4.1	1.8																55	55	50								
-6/ -7	5.1	.8																54	54	58								
-8/ -9	3.6	.8																40	40	40								
-10/-11	2.9	.4																31	31	34								
-12/-13	3.8	.2																37	37	38								
-14/-15	3.3	.4																35	35	33								
-16/-17	2.8																	26	26	29								
-18/-19	1.0																	9	9	9								
Element (X)	Σ x <sup>2</sup>	Σ x	̄ x	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																						
Rel. Hum.						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total												
Dry Bulb																												
Wet Bulb																												
Dew Point																												

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

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MONTH

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HOURS 12, 5, 7, 1

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DUT

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APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0000-0200

HOURS (L, S, T, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
54/ 53						.1												1		1															
52/ 51						.1												2		2															
48/ 47						.1												1		1															
46/ 45						.1	.1											2		2															
44/ 43																																			
42/ 41					.1	.1																													
40/ 39		.2	.4	.2														11		11															
38/ 37		.6	1.8	.7														27		27															
36/ 35	.7	2.9	2.4	.3														57		57	28	1													
34/ 33	.3	3.1	2.2	.1														52		52	53	16													
32/ 31	.7	4.7	2.3	.1														70		70	61	32													
30/ 29	.7	5.0	1.6															65		65	75	46													
28/ 27	1.0	4.2	.8															54		54	74	72													
26/ 25	1.6	4.3	.1															54		54	63	67													
24/ 23	1.7	4.4	.6															60		60	64	67													
22/ 21	1.6	3.7	.2															49		49	53	65													
20/ 19	.8	3.4	.3															41		41	44	57													
18/ 17	1.6	3.6	.1															47		47	51	44													
16/ 15	1.4	2.9																39		39	42	42													
14/ 13	1.2	3.1																39		39	44	46													
12/ 11	1.6	2.3																35		35	38	38													
10/ 9	1.9	2.4																39		39	38	37													
8/ 7	1.3	2.2																32		32	31	31													
6/ 5	1.1	1.3																22		22	30	35													
4/ 3	.7	.8																13		13	17	38													
2/ 1	1.9	.7																23		23	21	26													
0/ -1	1.4	.2																13		13	18	24													
-2/ -3	1.1	.4																14		14	15	26													
-4/ -5	.7																	6		6	6	17													
-6/ -7	.8	.2																9		9	8	16													
-8/ -9	.4																	4		4	5	15													
-10/-11	.3																	3		3	3	7													
-12/-13	.6																	5		5	5	6													
-14/-15	.1																	1		1		7													
Element (X)	Σ x'				Σ x				Σ				σ <sub>x</sub>				No. Obs.				Mean No. of Hours with Temperature														
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 54 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT OUT
STATION	STATION NAME

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YEARS

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MONTH

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HOURS (L. S. T.)

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210  
STATIONFORT SIMPSON NWT DDT  
STATION NAME57-66  
YEARSAPR  
MONTHPAGE 1 0300-0500  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
52/ 51						.1	.2												3	3												
44/ 43																						1										
42/ 41																						2										
40/ 39			.2																2	2												
38/ 37		.3	.3	.1															7	7												
36/ 35	.1	1.6	1.7	.1															31	31	9	1										
34/ 33	.9	2.8	1.1	.1															44	44	36	14										
32/ 31	.6	4.0	1.1																51	51	44	19										
30/ 29	.9	6.9	1.1																80	80	61	38										
28/ 27	.6	5.2	.4																56	56	83	53										
26/ 25	2.2	5.7	.3																74	74	77	63										
24/ 23	1.1	3.3																	40	40	51	80										
22/ 21	1.2	3.0																	38	38	49	65										
20/ 19	2.0	3.4																	49	49	45	32										
18/ 17	1.6	3.1	.2																44	44	41	52										
16/ 15	1.9	4.0																	53	53	51	41										
14/ 13	1.8	2.8																	41	41	48	37										
12/ 11	2.3	2.1																	40	40	45	43										
10/ 9	1.9	2.8																	42	42	34	42										
8/ 7	2.2	2.0																	38	38	50	45										
6/ 5	1.6	1.4																	27	27	25	30										
4/ 3	1.0	1.7																	24	24	29	40										
2/ 1	2.2	.4																	24	24	26	29										
0/ -1	.9	.6																	13	13	12	26										
-2/ -3	1.8	.6																	21	21	21	40										
-4/ -5	1.3	.2																	14	14	15	15										
-6/ -7	.7	.1																	7	7	8	10										
-8/ -9	.4	.1																	5	5	4	23										
-10/-11	1.2																		11	11	12	17										
-12/-13	.2																		2	2	2	11										
-14/-15	.4																		4	4	4	5										
-16/-17	.7																		6	6	6	4										
-18/-19	.3																		3	3	3	6										
-20/-21																						7										
Element (X)	Σ x <sup>2</sup>			Σ x			x̄			e <sub>x</sub>			No. Obs.			Mean No. of Hours with Temperature						Total										
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F											
Dry Bulb																																
Wet Bulb																																
Dew Point																																

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPS IN NWT DIST
STATION	STATION NAME

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MON 14

PAGE 2 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-22/-23	.1																	1	1	1	5														
-24/-25	.3																	3	3	3	1														
-26/-27	.1																	1	1	1	2														
-28/-29																					1														
-30/-31	.1																	1	1	1	2														
-34/-35																					1														
-38/-39																					1														
TOTAL	34.7	58.1	6.0	.3	.1	.2													900	900	900	900													

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DUT
STATION	STATION NAME

57-66

YEARS

APR  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point					
56 / 55							.1											1	1							
54 / 53							.1											1	1							
52 / 51							.1											1	1							
50 / 49					.1													1	1							
48 / 47				.1														1	1							
46 / 45				.1	.2													3	3							
44 / 43				.1														1	1	1						
42 / 41			.2	.7														8	8	4						
40 / 39			.8	.7														13	13	2						
38 / 37		.9	.9	.4														20	20	11						
36 / 35		1.8	1.4	.2														31	31	22	2					
34 / 33	.9	3.2	1.9															54	54	37	12					
32 / 31	.3	3.9	1.9															55	55	39	26					
30 / 29	.6	5.6	.3															58	58	68	47					
28 / 27	1.3	4.1	.3															52	52	68	62					
26 / 25	1.3	5.4	.7															67	67	55	71					
24 / 23	.9	4.1	.3															48	48	59	57					
22 / 21	.9	3.8	.2															44	44	56	58					
20 / 19	1.2	3.0	.2															40	40	41	53					
18 / 17	.4	3.7	.1															38	38	34	42					
16 / 15	1.8	4.6	.3															60	60	57	39					
14 / 13	1.2	2.4																33	33	46	32					
12 / 11	1.4	2.9																39	39	34	51					
10 / 9	1.9	2.4																39	39	43	38					
8 / 7	1.7	2.4																37	37	38	34					
6 / 5	1.2	1.4																24	24	30	35					
4 / 3	2.8	1.9																42	42	41	36					
2 / 1	1.4	.8																20	20	26	32					
0 / -1	1.1	.8																17	17	14	32					
-2 / -3	1.3	.4																16	16	21	35					
-4 / -5	.7	.3																9	9	9	29					
-6 / -7	.3	.1																4	4	4	17					
-8 / -9	.6																	3	5	6	14					
-10 / -11	.3																	3	3	3	12					
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total			
Dry Bulb																										
Wet Bulb																										
Dew Point																										

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STAT 04	STATION NAME

57-66

YEARS

APR  
MONTH

PAGE 2      0600-0800  
HOURS (L. S. T.)

[illegible]

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DYT  
STATION NAME

57-66

YEARS

APR  
MONTH

PAGE 1 0900-1100  
HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
66/ 65																	.1															1	1				
64/ 63																	.1															1	1				
60/ 59													.1																			1	1				
58/ 57												.1	.1			.1															3	3					
56/ 55											.2	.1	.4																		3	3					
54/ 53								.1	.2																							3	3				
52/ 51							.1	.1																								2	2	1			
50/ 49						.1	.8	.6																							13	13		1			
48/ 47							.8	.1			.1																				9	9		1			
46/ 45				.4	.9	.8	.4																								23	23		4			
44/ 43				1.1	.9	.6	.1																								24	24		11			
42/ 41				1.0	2.1	.6	.1																								34	34		18			
40/ 39			.3	2.1	1.3	.3																									37	37	30	1			
38/ 37			.8	1.9	2.1																										43	43	37	4			
36/ 35			1.6	2.3	1.4																										48	48	53	12			
34/ 33	.2	1.6	4.3	.6																											60	60	48	30			
32/ 31	.2	3.3	2.1	.1																											52	52	66	50			
30/ 29	.1	2.3	2.2	.1																											43	43	78	41			
28/ 27	.6	4.1	1.9																												59	59	54	67			
26/ 25	.4	2.8	1.6	.1																											44	44	61	85			
24/ 23	.1	3.1	1.7																												44	44	41	61			
22/ 21	.3	3.3	1.2																												47	47	43	74			
20/ 19	.3	3.4	1.4																												47	47	54	51			
18/ 17	.6	2.4	1.0																												36	36	42	37			
16/ 15	.3	4.2	.2																												43	43	44	40			
14/ 13	.6	3.8	.3																												42	42	53	40			
12/ 11	.7	2.9	.1																												33	33	32	34			
10/ 9	.4	2.0																													22	22	34	35			
8/ 7	.3	1.6																													17	17	22	47			
6/ 5	.4	2.1																													23	23	21	33			
4/ 3	.8	.8																													14	14	18	33			
2/ 1	.2	.6																													7	7	9	27			
0/ -1	.4	.8																													11	11	12	25			
-2/ -3	.1	.1																													2	2	3	26			
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No. Obs.					Mean No. of Hours with Temperature						Total					
Ref. Num.																										≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAG  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST  
STATION NAME

57-66

APR  
MONTH

PAGE 2 0900-1100  
HOURS L. S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
-4/-5			.2															2	2	1	12													
-6/-7		.1																1	1	3	11													
-4/-9																					8													
-12/-13																					6													
-14/-15		.1																1	1	1	3													
-16/-17																					1													
-24/-25																					1													
TOTAL	7.4	48.1	27.3	9.8	4.0	1.9	.4	.8	.2									900	900	900	900													
																		900		900														

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

APR  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/IAC

YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 APR  
 MONTH  
 PAGE 2 1200-1400  
 HOURS S. T.

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

APR

PAGE 2      1200-1400  
HOURS   S. S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
-2/-3		.1																1	1	1	12				
-4/-5																					7				
-6/-7																					6				
-8/-9																					1				
-10/-11																					3				
-12/-13																					4				
TOTAL	2.2	32.3	30.8	16.4	8.6	4.8	3.1	1.1	.7									900	900	900	900				

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3680029	36211	62.5	13.722	900	$\leq 0^\circ\text{F}$	$\leq 32^\circ\text{F}$	$\leq 67^\circ\text{F}$	$\leq 73^\circ\text{F}$	$> 80^\circ\text{F}$	$\leq 93^\circ\text{F}$	
Dry Bulb	1075551	28955	32.2	12.656	900	.4	43.1	.3				90
Wet Bulb	801727	23203	28.0	10.331	900	.4	36.7					90
Dew Point	460954	18078	20.1	10.432	900	4.8	81.7					90

USAFETAC FORM 0-26.5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT OUT  
STATION STATION NAME

57-66

APR  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/NAO

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

YEARS

APR  
MONTH

PAGE 2 1500-1700

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point				
2/-1																					16				
0/-1			.1															1	1		13				
-2/-3		.2																2	2	3	13				
-4/-5																					2				
-6/-7																					2				
-8/-9																					2				
-10/-11																					2				
-12/-13																					1				
TOTAL	2.7	26.9	30.0	16.7	12.3	5.3	3.4	1.6	.9	.2								900	900	900	900				

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

57-66

APR

PAGE 1 1800-2000

HOURS U.S.T.

[illegible]

USAFETAC FORM JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

**57-66**

APR  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
0/-1																						13		
-2/-3			.1																1	1		11		
-4/-5			.2																2	2	2	5		
-6/-7																					1	3		
-8/-9																						1		
-10/-11																						1		
-14/-15																						1		
-16/-17																						2		
TOTAL	6.8	39.7	27.6	13.0	7.1	3.3	1.4	.8	.3										900	900	900	900		

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210

FORT SIMPSON NWT DOT

57-66

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300

HOURS (L, S, T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
54/ 53						.1												1				1			
52/ 51						.1												1				1			
50/ 49						.1												1				1			
48/ 47			.1			.4												5				5			
46/ 45			.1		.2	.1												4				4	1		
44/ 43			.3	.4	.3													10				10	2		
42/ 41	.1		.9	1.1														19				19	4		
40/ 39	.1	.4	2.7	2.1	.2	.1												51				51	8	2	
38/ 37	.3	1.8	3.1	1.4	.2													62				62	30	5	
36/ 35	.1	2.8	2.8	1.1														61				61	67	12	
34/ 33	.3	2.9	2.9	1.0														64				64	64	30	
32/ 31	.3	2.9	2.1															48				48	79	43	
30/ 29	.8	4.8	2.4															72				72	69	70	
28/ 27	.7	4.2	1.9															61				61	83	61	
26/ 25	1.4	4.0	.8															56				56	61	79	
24/ 23	.8	3.8	.8															48				48	67	72	
22/ 21	.3	5.8	.7															61				61	40	66	
20/ 19	.6	3.0	.6															37				37	56	65	
18/ 17	1.2	2.8	.1															37				37	49	49	
16/ 15	.3	2.6	.1															27				27	27	45	
14/ 13	.6	2.6	.2															30				30	30	45	
12/ 11	.4	2.0	.1															23				23	30	31	
10/ 9	1.0	2.1																28				28	27	21	
8/ 7	.8	1.9																24				24	28	32	
6/ 5	.9	1.1																18				18	22	38	
4/ 3	.4	.9																12				12	14	25	
2/ 1	1.1	.3	.1															14				14	15	25	
0/ -1	.6	.2																7				7	9	20	
-2/ -3	.6	.3																8				8	6	20	
-4/ -5	.4																	4				4	6	14	
-6/ -7	.1	.1																2				2	2	6	
-8/ -9	.1	.1																1				1	1	11	
-10/-11	.1																	1				1	2	5	
-12/-13																								1	
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUN 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## YEARS

57-66

APR  
MONTH

PAGE 2      2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-14/-15		.1	.1															2	2	2	1		
-16/-17																					1		
-18/-19																					1		
-20/-21																					3		
-32/-33																					1		
TOTAL	14.0	53.4	22.4	7.2	1.7	.3												900	900	900	900		

Element (X)	Σ X'	Σ X	X	Σ x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5093567	66873	74,311.777		900							
Dry Bulb	688360	22596	25,111.604		900	2.5	62.1					90
Wet Bulb	577890	20726	23,010.578		900	2.7	72.4					90
Dew Point	402720	15994	17,811.480		900	8.4	85.1					90

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FURT SIMPSON NWT OUT
STATION	STATION NAME

**57-66**

MAY  
MONTH

PAGE 1 0000-0200

HOURS: 1 5 7 11

[illegible]



DATA PROCESSING DIVISION  
USAF ETAF  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST  
STATION STATION NAME

57-66

YEARS

44 DAY  
MONTH

PAGE 1 0300-0500  
HOURS (L S T)

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
54/ 53			.4	.2														4	4					
52/ 51	.2	.4	.7	.4														16	16	5	1			
50/ 49		.9	1.2	.3	.1													23	23	6	5			
48/ 47	.2	.9	2.4	.9														36	36	22	10			
46/ 45	.9	2.1	1.8	.7	.1													51	51	33	9			
44/ 43	.5	2.5	3.0	2.2	.1													77	77	48	31			
42/ 41	.4	4.6	4.0	1.0	.2													94	94	61	45			
40/ 39	.9	5.0	3.4	.3														88	88	95	48			
38/ 37	.1	6.0	3.6	.8														96	96	106	74			
36/ 35	.5	6.3	3.7	.1														98	98	97	90			
34/ 33	2.1	3.8	1.7	.2														72	72	109	102			
32/ 31	.8	4.3	1.5															61	61	71	107			
30/ 29	.5	6.2	.9															70	70	80	80			
28/ 27	.1	2.7	.1															27	27	60	78			
26/ 25		2.0	.2															20	20	30	62			
24/ 23	.2	1.0	.1															12	12	12	43			
22/ 21	.2	2.5	.1															24	24	20	30			
20/ 19		1.8	.1															18	18	21	19			
18/ 17	.5	.7																11	11	17	18			
16/ 15	.3	.8																10	10	13	21			
14/ 13		.5																5	6	4	17			
12/ 11		.1																1	1	3	6			
10/ 9	.1	.1																2	2	2	8			
8/ 7	.3																	3	3	4	5			
6/ 5	.1																	1	1	1	4			
4/ 3	.1																	1	1	1	4			
2/ 1																					2			
0/ -1																					2			
TOTAL	9.2	54.8	28.3	7.1	.5													921	922	921	921			

Element (X)	Σ x'	Σ x	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6125967	74509	80.9	10.330	921	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1269001	33319	36.1	8.396	922		26.9					93
Wet Bulb	1121061	31309	34.0	7.852	921		34.2					93
Dew Point	933319	28245	30.7	8.541	921	.2	51.1					93



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DET  
STATION NAME

57-66

DAY  
MONTH

PAGE 1 0900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
72/ 71								.2			.1							3	3												
70/ 69								.2	.1	.1	.1							3	5												
68/ 67							.3	.1	.2	.1								7	7												
66/ 65							.1	.5	.9	.2								16	16												
64/ 63					.1		.8	1.4	.4									25	25												
62/ 61				.1	.5	1.2	1.1	.3	.3									33	33												
60/ 59				.3	.9	1.9	.6	.2	.2									39	39												
58/ 57				.3	1.8	2.1	1.5	.1										54	54	3											
56/ 55			.1	.4	1.7	2.5	.4											48	48	12											
54/ 53		.2	.4	1.7	2.6	1.9	.4	.1										69	69	25											
52/ 51		.3	1.0	2.5	3.3	1.1	.2											78	78	53	1										
50/ 49		.1	1.1	3.5	2.9	1.2	.2											83	83	62	9										
48/ 47		.3	.9	3.1	1.5	.3	.2											59	59	83	24										
46/ 45	.3	.6	1.5	2.8	1.5	.2												65	65	118	30										
44/ 43	.3	1.0	.6	2.4	1.1	.2												57	52	100	47										
42/ 41		.6	1.0	2.4	.9													45	45	83	69										
40/ 39	.2	1.1	1.4	1.6	.1													41	41	63	80										
38/ 37	.1	2.2	1.9	1.4														52	52	57	113										
36/ 35	.4	1.0	1.3	.6	.1													32	32	80	99										
34/ 33	.3	1.1	1.4	.4	.2													32	32	48	93										
32/ 31		.5	1.4	.4														22	22	28	63										
30/ 29		.3	1.0	.1														13	13	27	54										
28/ 27		.8	1.7															16	16	21	48										
26/ 25		.5	.6															12	12	20	47										
24/ 23		1.1	.1															11	11	17	41										
22/ 21		.8	.2															9	9	12	27										
20/ 19		.4																4	4	9	19										
18/ 17	.1																	1	1	5	26										
16/ 15																					14										
14/ 13																					8										
12/ 11																					10										
10/ 9																					4										
TOTAL	1.8	13.0	17.1	12.4	21.9	313.5	7.0	2.6	1.1	.2	.2							926	926	926	926										
Element (X)	Zx'	Zx	X	X	No. Obs.	Mean No. of Hours with Temperature											Total														
Rel. Hum.	3007330	36134	60,614,869	926	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F						93															
Dry Bulb	2158591	43635	47,110,523	926			1.5									93															
Wet Bulb	1608364	37852	40.9 8,127	926		14.0										93															
Dew Point	1096316	30912	33.4 8,344	926		36.3										93															

YEARS \_\_\_\_\_ MAY \_\_\_\_\_  
 MONTH \_\_\_\_\_  
 PAGE 1 1200-1400  
 HOURS (L. S. T.) \_\_\_\_\_

26210 FORT SIMPSON NWT DIST  
STATION NAME

37-66

MAY

PAGE 1 1200-1400

[illegible]

USAFETAC FORM 0.26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAL  
AIR WEATHER SERVICE/ IAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST  
STATION STATION NAME

57-66

MAY  
MONTH

PAGE 2 1200-1400

1200-1400  
HOURS (L. S. T.)

[illegible]



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

57-66

14Y

PAGE 2 1500-1700  
HOURS S. Y.

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DOT  
STATION STATION NAME

57-66

24 MAY  
MONTH

PAGE 1 1800-2000  
HOURS 11 5 11

[illegible]



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

**57-66**

44Y

PAGE 2 1800-2000

**1800-2000**

[illegible]

USAFETAC FORM 0.26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

57-66

YEARS

MAY  
MONTH

PAGE 1      2100-2300  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point												
70/ 69												.1						1	1														
68/ 67							.2											2	2														
66/ 65					.1	.1												2	2														
64/ 63					.2	.2			.2									6	6														
62/ 61					.2	.4	.1											7	7														
60/ 59				.1	1.0	.5	.2	.2										19	19														
58/ 57			.1	.2	.5	1.2	.2	.2										23	23	1													
56/ 55			.9	1.0	2.2	1.2	.3											51	51	6													
54/ 53		.3	.4	1.3	1.3	1.2	.3											45	45	9	1												
52/ 51	.1	.9	.5	2.3	2.5	.5	.1											64	64	28	7												
50/ 49		1.0	1.7	4.0	2.0	.7	.1											87	87	43	16												
48/ 47		2.2	2.8	3.7	1.2	.4												95	95	66	17												
46/ 45		1.0	2.4	2.0	.4	.1												54	54	91	32												
44/ 43	.1	2.0	2.9	1.7	.4													66	66	107	40												
42/ 41	.2	1.4	3.3	1.8	.8													69	69	101	69												
40/ 39	.3	2.1	2.7	1.6	.7	.1												69	69	80	80												
38/ 37	.5	1.7	2.5	1.2	.3													58	58	74	102												
36/ 35	.1	2.2	1.4	.8														41	41	75	92												
34/ 33	.3	1.8	1.5	.5														39	39	54	87												
32/ 31	1.0	1.8	1.4															39	39	53	77												
30/ 29	.1	1.8	.7															24	24	43	61												
28/ 27	.2	1.2	.5															18	18	30	57												
26/ 25	.1	1.1	.3															14	14	20	53												
24/ 23	.3	1.0	.1															13	13	17	35												
22/ 21	.2	.3	.2															7	7	10	32												
20/ 19	.2	.4																6	6	9	26												
18/ 17	.1	.1																2	2	4	16												
16/ 15	.1	.1																2	2	2	11												
14/ 13																					6												
12/ 11																					5												
10/ 9																					1												
TOTAL	4.1	24.4	26.4	22.2	13.8	6.7	1.6	.4	.2			.1						923	923	923													
Element (X)	Σ x²		Σ x		x̄		s²		No. Obs.		Mean No. of Hours with Temperature										Total												
Rel. Hum.	4637298		63974		69.314846		923		≥ 0 F		≥ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb	1837597		40255		43.69428		923				12.6		.3								93												
Wet Bulb	1469867		36137		39.27727		923				18.9										93												
Dew Point	1100822		30986		33.68107		923				38.3										93												

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

YEARS

JUN  
MONTH

PAGE 1 0000-0200

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
74 / 73									.1									1	1			
72 / 71								.1										1	1			
68 / 67							.2											2	2			
66 / 65				.1		.1		.1										3	3			
64 / 63			.1		.2	.2	.2											7	7			
62 / 61			.3	.4	1.0	.1	.4											21	21			
60 / 59		.6	1.1	1.4	1.6	.4	.1											47	47	2		
58 / 57	.3	1.9	1.9	2.2	1.0	.4	.1											71	71	18	7	
56 / 55	.3	3.0	3.0	1.9	.8	.1												82	82	56	21	
54 / 53		5.9	3.4	1.7	.6	.1												105	105	74	45	
52 / 51	1.8	6.1	3.8	1.1	.7													121	121	137	76	
50 / 49	1.4	4.3	2.9	1.2	.6													94	94	132	101	
48 / 47	1.4	5.8	2.9	1.4	.3													107	107	115	126	
46 / 45	1.4	5.3	1.8	.6														82	82	111	124	
44 / 43	1.1	3.9	.8	1.1														62	62	91	98	
42 / 41	.7	2.2	1.0	.1														36	36	58	85	
40 / 39	.1	1.0	.6	.1														16	16	43	67	
38 / 37	.3	1.2	.1	.1														16	16	23	45	
36 / 35	.4	.4	.3	.3														14	14	19	30	
34 / 33		.1	.4															5	5	3	40	
32 / 31		.2																2	2	4	13	
30 / 29		.2																2	2	10	5	
28 / 27		.3																3	3	2	3	
26 / 25																				2	2	
24 / 23																					8	
22 / 21																					3	
20 / 19																					1	
TOTAL	9.4	42.6	24.4	13.9	6.7	1.6	1.1	.2	.1									900	900	900	900	



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DUT  
STATION STATION NAME

57-66

YEARS

JUN  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
72/ 71									.4									4	4					
70/ 69						.2												2	2					
68/ 67					.2	.1	.2											5	5					
66/ 65				.6	.2	.3		.1										11	11					
64/ 63			.3	1.1	1.0	.2	.4	.1										29	29					
62/ 61		.1	1.1	2.6	1.9	.7	.3											60	60	2				
60/ 59		1.0	2.6	4.1	2.2	.3	.3											95	95	17	2			
58/ 57	.1	.7	4.4	3.2	1.2	.4												91	91	40	11			
56/ 55	.1	3.4	4.6	5.1	1.3	.2	.1											134	134	96	31			
54/ 53	.3	2.7	5.1	3.1	.7	.3												110	110	125	53			
52/ 51	1.1	2.8	3.4	2.8	.4	.3												98	98	137	114			
50/ 49	.4	3.0	2.9	1.4	.9	.1												79	79	137	107			
48/ 47	.4	1.4	1.9	1.0	.4													47	47	103	118			
46/ 45	.2	2.6	1.8	1.3	.2													55	55	65	117			
44/ 43	.3	.9	1.9	.6														33	33	60	90			
42/ 41	.1	.9	.6	.3	.1													18	18	42	65			
40/ 39		.7	.6	.6														16	16	36	53			
38/ 37		.3	.2	.3														8	8	17	42			
36/ 35		.2	.1															3	3	9	29			
34/ 33		.1	.1															2	2	9	25			
32/ 31																				5	17			
30/ 29																					10			
28/ 27																					7			
26/ 25																					3			
24/ 23																					3			
22/ 21																					2			
20/ 19																					1			
TOTAL	3.2	20.8	31.6	28.1	10.9	3.3	1.4	.2	.4									900	900	900	900			
																		900		900				
										</														

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

30th  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

26210 FORT SIMPSON NWT DIST  
STATION STATION NAME

57-66

JUN 1967

PAGE 2 1200-1400

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

YEARS

1945  
MONTH

PAGE 1 1500-1700

HOURS (L - S - T - )

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL		TOTAL		Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb												
86/ 85										.1	.2							3	3													
84/ 83										.1	.2	.3						8	8													
82/ 81									.1	.1	.3	.6	.1					11	11													
80/ 79								.1	.7	.9	1.4	.2	.2					32	32													
78/ 77								.6	.4	1.2	1.3	.3						35	35													
76/ 75								.8	1.2	1.9	.3	.2						40	40													
74/ 73						.1	.9	1.9	2.2	2.0	1.1							74	74													
72/ 71					.3	1.3	1.7	1.6	1.0	.1								54	54													
70/ 69				.2	.1	1.0	3.1	3.0	1.9	1.1	.1							95	95													
68/ 67				.3	.7	1.8	1.9	2.4	1.4	.2								79	79	1												
66/ 65			.4	.3	1.7	1.8	2.1	2.3	.8									85	85	6												
64/ 63		.1	.2	.4	1.4	1.6	1.1	.8										51	51	22												
62/ 61			.2	1.0	1.3	2.0	.4	.1										46	46	55												
60/ 59		.1	1.4	.6	1.1	2.0	1.1	.1										58	58	107												
58/ 57		1.3	1.8	1.0	1.0	.9	.7	.2										62	62	141												
56/ 55	.1	1.3	.9	.9	1.3	1.0	.8	.1										58	58	154												
54/ 53	.4	1.2	.8	.7	1.0	.7												43	43	130												
52/ 51		.9	.6	.3	.1	.2												19	19	102												
50/ 49		.1	.4	.9	.2	.2												17	17	58												
48/ 47		.3	.3	.2	.3	.1	.2											14	14	39												
46/ 45	.1	.3	.2		.2													8	8	44												
44/ 43		.2																2	2	17												
42/ 41	.1																	1	1	7												
40/ 39	.2	.2																4	4	12												
38/ 37																				4												
36/ 35	.1																	1	1	1												
34/ 33																				15												
32/ 31																				14												
30/ 29																				8												
28/ 27																				5												
26/ 25																				3												
22/ 21																				3												
18/ 17																				3												
Element (X)	$\Sigma X^1$		$\Sigma X$		$\bar{X}$		$s_x$		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total									
Dry Bulb																																
Wet Bulb																																
Dew Point																																

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

JUN  
MONTH

PAGE 2      1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. - W.B.	Dry Bulb	Wet Bulb	Dew Point											
TOTAL	1.1	6.2	7.3	6.9	10.3	13.7	13.9	14.1	10.3	8.7	5.2	1.7	.6						900	900	900											

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

2621- FORT SIMPSON NWT DPT

57-66

July  
MONTH

YEARS

PAGE 1 1800-2000

HOURS 5:17

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
84/ 83													.1					1	1													
82/ 81										.1		.1						2	2													
80/ 79									.2	.2	.4	.1	.1					10	10													
78/ 77						.1		.2	.2	.2	.9							15	15													
76/ 75					.1	.6	.4	1.3	.9	.9	.4	.3						36	36													
74/ 73					.3	.8	.9	.9	.9	.9	.6							39	39													
72/ 71					.1	1.0	1.3	1.7	1.4	.4	.6							59	59													
70/ 69					.2	1.1	1.7	1.7	1.4	.7	.1							62	62													
68/ 67				.8	1.1	2.4	2.7	1.7	.8	.1								86	86	1												
66/ 65			.1	.7	2.8	2.8	2.0	1.4	.3									91	91	3												
64/ 63			.9	1.7	1.6	1.9	1.8	1.2										81	81	16												
62/ 61		.4	1.3	1.7	2.3	1.3	1.4	.2										79	79	45	2											
60/ 59		.4	1.1	1.2	1.7	1.6	.1											55	55	93	8											
58/ 57	.1	1.6	1.2	1.9	1.7	1.6	.6	.1										78	78	141	30											
56/ 55	.4	1.6	.8	1.0	1.8	1.4	.3											66	66	147	58											
54/ 53	.1	2.3	1.2	.6	.7	.3	.3											50	50	131	85											
52/ 51	.3	.8	.3	.7	.6	.1	.1											28	26	111	94											
50/ 49	.3	.3	.6	.6	.1	.1	.4											22	22	83	101											
48/ 47	.1	.4	.8	.6	.1	.2												20	20	33	99											
46/ 45	.1	.8	.3		.2													13	13	44	88											
44/ 43		.4	.1		.1													6	6	22	73											
42/ 41																				15	82											
40/ 39																				3	58											
38/ 37	.2																	2	2	11	44											
36/ 35	.1																	1	1	1	30											
34/ 33																					17											
32/ 31																					10											
30/ 29																					4											
28/ 27																					3											
26/ 25																					6											
22/ 21																					5											
20/ 19																					3											
TOTAL	1.9	9.1	8.7	11.2	13.0	16.4	14.1	9.6	6.7	3.4	3.0	.6	.2					900	900	900	900											
Element (X)	Σ x'		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.	3304637		51925		57.7		18.535		900		≤ 0 F		≤ 32 F		≤ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total									
Dry Bulb	3809962		56540		62.8		8.032		900						31.0		10.3		.6				90									
Wet Bulb	2626801		48393		53.8		5.243		900								.1						90									
Dew Point	1972303		41641		46.3		7.127		900				3.1										90									





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST  
STATION STATION NAME

57-66

YEARS

JUL  
MONTH

PAGE 1 0300-0500  
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
70/ 69																		3	3													
68/ 67																		1	1													
66/ 65																		11	11													
64/ 63																		16	16	2												
62/ 61																		41	41	7	2											
60/ 59																		105	105	24	11											
58/ 57																		145	145	89	52											
56/ 55																		182	182	155	85											
54/ 53																		131	131	175	144											
52/ 51																		87	87	156	156											
50/ 49																		81	81	109	128											
48/ 47																		34	34	87	122											
46/ 45																		41	41	47	86											
44/ 43																		27	27	40	63											
42/ 41																		9	9	19	39											
40/ 39																		8	8	8	17											
38/ 37																		8	8	12	14											
36/ 35																					11											
TOTAL	12.447	824.210	8	47.0	7.9													930	930	930	930											

Element (X)	Σ x'	Σ x	$\bar{x}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6993059	79803	85.8	10.641	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2751044	50340	54.1	5.309	930			4				93
Wet Bulb	2503704	48060	51.7	4.650	930							93
Dew Point	2320934	46228	49.7	4.982	930							93

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

57-66

JUL  
MONTH

PAGE 1 0600-0800

HOURS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
-------	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
76/ 73							.1											1	1												
74/ 73							.1	.1										2	2												
72/ 71					.1	.2	.1	.1										3	3												
70/ 69				.3	.4	.2	.4											13	13												
68/ 67			.4	1.1	1.0	.1	.3	.2										29	29												
66/ 65			.6	2.5	2.4	.3	.3											37	57	2											
64/ 63		.3	2.2	3.9	1.8	.3	.3	.1										81	81	11	1										
62/ 61		1.4	5.4	4.2	1.5	.2	.1											119	119	29	3										
60/ 59	.2	2.9	6.8	4.2	1.4	.1	.1											144	144	92	31										
58/ 57	.4	4.7	7.4	2.7	.8	.2												151	151	148	69										
56/ 55	.8	7.4	4.0	1.6	.3													130	130	193	122										
54/ 53	.9	4.5	2.3	1.4	.1													85	85	200	178										
52/ 51	.5	2.3	1.2	1.1														47	47	103	191										
50/ 49		2.3	1.1															31	31	57	117										
48/ 47	.1	.9	.9															17	17	46	72										
46/ 45	.2	.9	.2															12	12	25	56										
44/ 43	.1	.2	.1															4	4	16	48										
42/ 41	.2																	2	2	6	24										
40/ 39																					11										
38/ 37																					5										
TOTAL	3.327	7.32	3.23	0	9.7	1.7	1.8	.4										930		930	930										

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	581402	73204	78.7	11.329	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3185987	34217	58.3	5.214	930			5.0	.3			93
Wet Bulb	2760112	30318	54.3	4.144	930							93
Dew Point	2476085	47799	51.4	4.568	930							93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (0.1 A)

FORM

USAFETAC

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DUT
STATION	STATION NAME

**57-66**

YEARS

JUL  
MONTH

PAGE 1 0900-1100  
HOURS (S, T, I)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
86 / 85									.1									1	1						
82 / 81									.2									2	2						
80 / 79							.1	.1	.3	.1	.1							7	7						
78 / 77							.1	.6	.3	.4	.1							15	15						
76 / 75					.3	1.0	.4	.8	.5	.1								29	29						
74 / 73					.2	.9	1.7	.8	.6	.1								40	40						
72 / 71				.2	1.9	2.3	2.7	1.2	.6									83	83						
70 / 69				.9	2.6	4.4	1.1	.8	.3									93	93	2					
68 / 67				2.5	4.3	3.3	2.0	.5	.2									120	120	3					
66 / 65		.1	1.0	4.2	3.7	2.8	1.0	.1										119	119	26					
64 / 63		.1	2.5	4.6	2.2	1.3	.2	.1										102	102	63	4				
62 / 61		.9	2.3	3.1	2.0	.5	.2	.2										86	86	127	22				
60 / 59		1.6	2.8	1.7	.9	.6												71	71	183	66				
58 / 57	.2	1.4	1.7	.8	.8	.1												46	46	184	109				
56 / 55	.4	1.6	1.4	.5	.3	.1												41	41	132	150				
54 / 53	.1	1.4	1.2	.6	.3	.1												35	35	86	166				
52 / 51		1.1	.3	.5	.1													19	19	40	129				
50 / 49		.9	.2	.1														11	11	41	96				
48 / 47		.3	.2															5	5	21	74				
46 / 45		.2																2	2	11	43				
44 / 43		.3																3	3	5	26				
42 / 41																				1	21				
40 / 39																					13				
38 / 37																					8				
36 / 35																					2				
34 / 33																					1				
TOTAL	.8	9.9	13.5	19.8	19.6	17.6	10.1	5.1	3.2	.4								930	930	930	930				
				</																					



26210 FORT SIMPSON NWT OUT  
STATION STATION NAME

57-66

JUL  
MONTH

PAGE 1 1200-1400  
HOURS 11:50 T-1

[illegible]

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DUT  
STATION STATION NAME

57-66

YEARS

JUL  
MONTH

PAGE 1 1900-1700

HOURS (L, S, T, J)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B. W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point													
92/ 91										.1	.2																					3	3
90/ 89											.1	.2																				5	5
88/ 87															.1																	1	1
86/ 85										.2		.1																				3	3
84/ 83									.1	.1	.9	.5	1.1	.2																		27	27
82/ 81								.4	.4	1.6	1.0	.3	.2																			37	37
80/ 79							.5	2.2	1.5	1.6	1.0	.9																				63	63
78/ 77						.2	.5	1.6	2.2	1.4	.9	.1																				64	64
76/ 75				.1	.1	.3	1.8	1.4	3.4	1.7	.8																					90	90
74/ 73				.1	.1	1.3	1.9	3.3	1.3	.8	.1																					83	83
72/ 71				.1	1.1	1.8	3.1	2.3	1.1	.5																						93	93
70/ 69				.2	2.3	2.5	3.7	1.8	1.0	.2																						108	108
68/ 67			.1	1.0	1.7	2.0	1.1	1.1	.3																							68	68
66/ 65		.1	.4	1.6	1.4	.9	1.0																									50	50
64/ 63		.3	2.2	1.7	2.2	1.3	.4		.1																							76	76
62/ 61		1.5	1.7	.6	.5	.6	.4	.1																								52	52
60/ 59		.6	.6	1.3	.5	.3	.3																									35	35
58/ 57	.1	.9	.9	1.0	.4	.1																										28	28
56/ 55	.2	.9	.2	.2	.3																											17	17
54/ 53		.4	.1	.4	.1																											10	10
52/ 51	.1	.9	.2	.3																												14	14
50/ 49	.1	.1																														2	2
48/ 47		.1																														1	1
46/ 45																																	
44/ 43																																	
42/ 41																																	
40/ 39																																	
38/ 37																																	
36/ 35																																	
34/ 33																																	
32/ 31																																	
TOTAL	.5	5.8	6.1	8.7	10.8	11.4	14.8	14.3	11.4	9.0	4.5	1.8	.4	.1	.2																	930	930
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		s <sup>2</sup>		No. Obs.		Mean No. of Hours with Temperature										Total												
Rel. Hum.	2993197		50331		54.1		17.026		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																	
Dry Bulb	4642214		65306		70.2		7.787		930				64.5	37.6	10.3																		
Wet Bulb	2263506		34946		39.1		4.303		930				2.6	.2																			
Dew Point	2494016		47876		51.5		5.624		930			.1	.1																				

FORM 0-26-5 (O.L.A.)

USAFETAC  
JUL 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

26210	FORT SIMPSON NWT DBT
STATION	STATION NAME

57-66

JUL  
MONTH

PAGE 1 1800-2000

HOURS (L, S, T, )

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
90/ 89									.1		.1							2	2			
86/ 85								.2	.1			.1						4	4			
84/ 83									.1	.1	.1	.1						4	4			
82/ 81								.2	.3	.6	.3	.4						18	18			
80/ 79						.1	.1	.5	.4	1.2		.1						26	26			
78/ 77						.3	.6	1.7	1.3	1.0	.3							49	49			
76/ 75						.9	1.0	1.3	.8	1.3	.3							51	51			
74/ 73				.3	.3	.8	2.9	2.5	1.5	.8	.2							86	86	1		
72/ 71				.2	1.2	2.9	1.8	1.7	.8									80	80	2		
70/ 69				.5	1.9	3.5	3.0	1.1	.8									101	101	4		
68/ 67			.3	1.8	2.6	3.2	1.6	.6	.1									96	96	14	1	
66/ 65		.3	.9	3.2	2.6	2.3	1.3	.1										99	99	40	6	
64/ 63		.5	3.1	2.3	1.9	.8	.2											82	82	76	7	
62/ 61		1.2	2.6	1.0	.8	.4	.2											57	57	147	24	
60/ 59	.1	1.9	1.8	1.5	1.1	.3	.1											64	64	207	63	
58/ 57	.2	1.5	.5	1.0	.3	.4												37	37	188	115	
56/ 55	.3	1.0	1.1	.3	.3	.1												29	29	101	153	
54/ 53	.1	.5	.5	.4	.2													17	17	58	126	
52/ 51	.1	1.4	.6	.1														21	21	41	107	
50/ 49	.3	.2	.1															6	6	30	118	
48/ 47			.1															1	1	16	76	
46/ 45																				5	51	
44/ 43																					39	
42/ 41																					23	
40/ 39																					13	
38/ 37																					7	
36/ 35																					1	
TOTAL	1.2	8.6	11.7	12.7	13.2	16.0	12.9	10.0	6.2	4.9	1.7	.8						930	930	930	930	

Element (X)	Σ x'	Σ x	̄x	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3758037	56941	61.2	17.102	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4273468	62672	67.4	7.340	930			51.7	24.0	4.0		93
Wet Bulb	3195587	54371	58.5	4.262	930			2.1	.1			93
Dew Point	2582880	48756	52.4	5.372	930			.1				93

USAFETAC FORM 0-26.5 (OL A)  
1111 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DUT  
STATION STATION NAME

**57-66**

YEARS

JUL  
MONTH

PAGE 1 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
82/ 81									.1									1	1												
80/ 79							.1		.3									4	4												
78/ 77									.1	.1								2	2												
76/ 75					.2			.1	.2		.1							7	7												
74/ 73								.6	.3	.1								10	10												
72/ 71				.2	.6	.5		.5	.5	.2								25	25												
70/ 69				.3	1.3	1.4	1.1	.2										40	40	1											
68/ 67			.3	1.1	1.8	1.9	1.0	.3										60	60	2											
66/ 65		.1	1.8	2.8	2.6	1.6	.3	.2										88	88	3	1										
64/ 63	.1	1.7	2.8	2.9	2.5	.9	.3											104	104	26	4										
62/ 61	.1	2.4	3.9	2.8	2.3	.5	.2											113	113	75	17										
60/ 59	.6	5.3	3.1	3.0	1.4	.1												126	126	149	54										
58/ 57	.8	5.8	4.4	2.4	.3	.1												128	128	192	124										
56/ 55	.3	4.3	2.3	1.2	.1													76	76	155	137										
54/ 53	.3	2.8	1.6	.3	.2													49	49	125	140										
52/ 51	.1	3.0	1.1	.2	.2													43	43	87	130										
50/ 49	.1	1.7	.4	.1														22	22	52	130										
48/ 47	.5	1.1	.1															16	16	33	75										
46/ 45	.1	.6	.3															10	10	13	59										
44/ 43		.2																2	2	10	32										
42/ 41	.1	.2																3	3	5	13										
40/ 39																				1	5										
38/ 37	.1																	1	1	1	8										
36/ 35																					1										
TOTAL	3.3	29.2	22.2	17.3	13.5	7.2	4.2	1.7	1.1	.1	.1							930	930	930	930										
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$s_x$		No. Obs.		Mean No. of Hours with Temperature										Total										
Rel. Hum.	5388025		70799		76.1		14.608		930		$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$															
Dry Bulb	3434581		56213		60.4		6.297		930				14.9	2.4	.2					93											
Wet Bulb	2901726		51784		55.7		4.439		930					.3					93												
Dew Point	2566591		48645		52.3		4.882		930										93												

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON, NWT DOT
STATION	STATION NAME

**57-66**

YEARS

AUG  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. Y.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT OUT

57-66

AUG

STAT 32N

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500

HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

57-66

AUG

HOUS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
70/ 69				.1		.1		.1										3	3						
68/ 67			.1	.2	.4	.1												2	8						
66/ 65			.4	.8	.1													12	12						
64/ 63		.2	1.1	1.6	.4													30	30	2					
62/ 61		.6	1.9	2.4	.1		.2											49	49	9	1				
60/ 59	.1	2.4	5.0	2.8	.2	.1												104	104	39	12				
58/ 57	.1	3.9	4.3	1.0	.3	.1												90	90	73	38				
56/ 55	.9	5.4	5.2	.8	.1													114	114	137	69				
54/ 53	1.0	4.9	3.9	1.1	.1		.1											103	103	115	113				
52/ 51	1.3	5.5	3.4	.9														103	103	114	141				
50/ 49	1.1	5.7	2.4	.9														93	93	107	122				
48/ 47	1.1	4.1	2.6	.1														73	73	111	96				
46/ 45	.8	4.2	1.9															64	64	67	107				
44/ 43	.5	3.0	.6															39	39	74	66				
42/ 41	.6	1.3	.2															20	20	44	60				
40/ 39	.9	1.0	.4															21	21	22	57				
38/ 37	.1	.1																2	2	11	26				
36/ 35		.1																1	1	4	14				
34/ 33																					3				
32/ 31																					3				
30/ 29																					1				
28/ 27	.1																	1	1	1	1				
TOTAL	8.542	434.7	12.5	1.8	.4	.3	.1											930	930	930	930				

Element (X)	Σ x'	Σ x	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6644742	78110	84.0	9.528	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2665639	49449	53.2	6.260	930			.1	1.1			93
Wet Bulb	2398238	46950	50.5	5.494	930			.1				93
Dew Point	2195289	44873	48.3	5.696	930		.5					93

USAFETAC  
FORM  
JUL 64  
0-26.5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## 2

20210 FORT SIMPSON NWT DIST

57-66

AUG

PAGE 1 0900-1100  
HOURS S T

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Bulb	Dew Point															
80/ 79								.1	.1									2	2																		
78/ 77							.1	.1	.1									3	3																		
76/ 75						.2	.5	.1	.4									12	12																		
74/ 73					.1	1.0	.6	.1	.2									19	19																		
72/ 71				.1	1.0	.5	.3	.1	.1									20	20																		
70/ 69				.8	2.0	2.0	.5	.1	.1									52	52																		
68/ 67			.1	1.0	2.5	1.5	.5		.1									53	53																		
66/ 65			.2	3.1	2.6	1.2	.5	.1										72	72	11																	
64/ 63			1.2	4.4	4.3	.6	.4											102	102	37																	
62/ 61		.9	2.3	4.6	2.4	1.3	.1											107	107	58	9																
60/ 59		1.6	3.0	4.6	1.5	.4												104	104	102	37																
58/ 57	.1	1.6	2.9	2.9	1.5	.2												86	86	136	69																
56/ 55	.5	2.0	2.6	2.0	1.2	.4	.1											83	83	138	109																
54/ 53		1.6	2.7	1.3	1.0	.2												63	63	123	109																
52/ 51	.2	2.4	1.4	1.5	.4													55	55	96	132																
50/ 49	.2	1.2	1.7	1.4	.2													44	44	79	121																
48/ 47	.1	1.2	1.4	.3	.1													29	29	47	102																
46/ 45		.2	.5	.3														10	10	53	65																
44/ 43		.3	.3	.2														8	8	29	56																
42/ 41		.4	.2															6	6	10	33																
40/ 39																				9	40																
38/ 37																				2	25																
36/ 35																					9																
34/ 33																					8																
32/ 31																					6																
TOTAL	1.2	13.4	20.5	24.6	20.8	9.7	3.9	.6	1.2	.1								930		930		930															

Element (X)	Σ x'	Σ x	$\bar{x}$	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4780024	65700	70.6	12.216	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	3373869	55631	59.8	7.046	930			16.1	3.6			93
Wet Bulb	2753291	50341	54.1	5.522	930							93
Dew Point	2342814	46336	49.8	6.066	930		.6					93

REVISED PREVIOUS EDITIONS: IF THIS FORM ARE OBSOLETE

0.26.5 (O.L. A)

FORM  
JUL 64

L:SAFETAC



AD-A100 250 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
FORT SIMPSON, NORTHWEST TERRITORIES, CANADA. REVISED UNIFORM SU--ETC(1)  
JAN 72

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
FORT SIMPSON, NORTHWEST TERRITORIES, CANADA. REVISED UNIFORM SU--ETC (11)  
JAN 72

SBIE-AD-E850 073

24

20 AUGUST



END  
DATE  
FILMED  
7 81  
DTIC

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

**57-66**

AUG

MONTH

PAGE 1 1200-1400  
HOURS (L S T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FJKT SIMPSON NWT DNT
STATION	STATION NAME

57-66

YEARS

AUG  
MONTH

PAGE 1 1500-1700

[illegible]

## PSYCHROMETRIC SUMMARY

26210	FURT SIMPSON NWT DOT
STATION	STATION NAME

57-66

**AUG**  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DOT  
STATION STATION NAME

57-66

YEARS

SEP  
MONTH

PAGE 1 0300-0500

HOURS 11-5-7-9

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point		
58/ 57		.2	.3				.2	.1										8	8				
56/ 55		.1		.1	.1													3	3	3	3		
54/ 53		.3	.3	.3														13	13	5			
52/ 51		1.3	.4	.3														23	23	7	6		
50/ 49	.9	3.8	1.2	.1	.2													56	56	32	20		
48/ 47	1.0	2.9	.1		.1													37	37	61	38		
46/ 45	.8	3.0	1.0		.1													44	44	43	42		
44/ 43	2.6	7.7	.8	.1														100	100	63	53		
42/ 41	2.4	5.4	2.3															92	92	99	76		
40/ 39	3.7	7.0	1.7	.1														112	112	106	102		
38/ 37	3.2	5.6	1.2															90	90	100	94		
36/ 35	4.1	5.6	.9	.3														98	98	106	108		
34/ 33	3.6	4.3	.3															74	74	93	93		
32/ 31	2.6	3.8																57	57	56	76		
30/ 29	3.0	1.9	.2															46	46	66	71		
28/ 27	1.4	1.1																23	23	34	51		
26/ 25	.8	.3																10	10	12	36		
24/ 23	.9	.6																13	13	9	10		
22/ 21	.1																	1	1	5	15		
20/ 19																					6		
TOTAL	31.0	55.3	11.3	1.4	.6		.2	.1										900	900	900	900		





DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

26210	FORT SIMPSON NWT OUT
STATION	STATION NAME

57-66

SFP

MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point												
74 / 73								.1										1	1														
72 / 71									.1									1	1														
70 / 69								.1										1	1														
68 / 67							.1	.1										2	2														
66 / 65					.3		.2											5	5														
64 / 63				.1	.2	.3	.1		.2	.1								10	10														
62 / 61				.2	.2	.2		.2										8	8														
60 / 59			.2	.7	.6	.7	.4											23	23	1													
58 / 57		.3	.3	1.3	.6	.1	.1											25	25	6	1												
56 / 55			1.0	2.0	.8	.2												36	36	16	3												
54 / 53		.3	1.3	1.6	.7	.1												36	36	14	3												
52 / 51	.3	1.6	2.6	2.1	.2													63	63	45	15												
50 / 49	.1	1.4	4.1	2.4	.6	.2												80	80	64	29												
48 / 47	.1	2.4	4.0	2.2	.4													83	83	74	31												
46 / 45	.6	4.0	4.2	1.1	.2	.1												92	92	96	75												
44 / 43	1.3	6.1	5.1	1.2	.3													127	127	109	98												
42 / 41	1.3	3.7	1.7	1.3	.2													74	74	129	101												
40 / 39	1.2	4.7	2.0	.6														76	76	96	114												
38 / 37	.9	2.7	2.4	.7														60	60	78	114												
36 / 35	.3	3.1	2.0															49	49	70	82												
34 / 33	.2	1.2	.9															21	21	40	67												
32 / 31	.3	1.4	.4															20	20	39	40												
30 / 29		.2	.1															3	3	15	52												
28 / 27		.1																1	1	3	36												
26 / 25	.2	.1																3	3	5	21												
24 / 23																					12												
22 / 21																					5												
18 / 17																					1												
TOTAL	7.0	33.4	32.7	17.6	5.3	2.0	1.0	.6	.3	.1								900	900	900	900												

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5551884	69646	77.4	13.439	900	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	1916563	40983	45.5	7.483	900		2.7	.5	.1			90
Wet Bulb	1632831	37931	42.1	6.169	900		6.2					90
Dew Point	1367218	34580	38.4	6.551	900		16.7					90

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM JUL 64

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NAT DOT  
STATION STATION NAME

57-66

YEARS

SEP  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
78/ 77										.1								1	1						
76/ 75									.4	.3								7	7						
74/ 73								.1	.6									6	6						
72/ 71								.3	.1									4	4						
70/ 69						.2	.3	.2		.2								9	9						
68/ 67					.1	.2	.9	.2	.1	.1								15	15						
66/ 65					.2	.4	.3	.3	.3	.2	.1							18	18						
64/ 63					.8	1.0	.3	.3										22	22						
62/ 61				.8	1.6	1.2	1.0	.3										44	44	1					
60/ 59	.1	.2		.8	1.7	1.6	.7	.2										47	47	12					
58/ 57			.4	1.6	2.4	1.2	.1	.1										53	53	22	3				
56/ 55			.3	1.7	3.6	1.0	.2	.1										62	62	34					
54/ 53		1.1	.9	3.4	2.7	.4	.2											79	79	38	5				
52/ 51		1.2	1.8	1.8	1.2	.3												57	57	70	16				
50/ 49	.1	.8	3.0	3.4	1.1	.4												80	80	95	49				
48/ 47	.2	2.0	4.2	2.7	1.7	.4												101	101	111	52				
46/ 45	.7	3.2	1.9	2.0	.7													76	76	111	85				
44/ 43	.4	2.0	2.2	1.7	.8													64	64	118	95				
42/ 41	.3	1.7	1.3	1.4	.2													45	45	67	118				
40/ 39	.6	1.0	1.1	.7														30	30	68	108				
38/ 37	.3	1.6	1.1	.9	.1													36	36	48	96				
36/ 35	.3	1.4	1.2	.1														28	28	47	57				
34/ 33	.2	.7	.4															12	12	29	54				
32/ 31		.1																1	1	23	46				
30/ 29		.1																1	1	3	40				
28/ 27		.2																2	2	1	32				
26/ 25																				2	23				
24/ 23																					8				
22/ 21																					12				
18/ 17																					1				
TOTAL	3.3	17.3	20.0	22.9	18.8	8.6	4.1	2.3	1.6	1.0	.1							900	900	900	900				
Element (X)	Σ x <sup>2</sup>	Σ x		$\bar{x}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature						Total											
Rel. Hum.	4263340	60218		66.9	16.141	900		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90											
Dry Bulb	2381605	45607		50.7	8.855	900			.4	4.2	1.4			90											
Wet Bulb	1862686	40526		45.0	6.488	900			2.9					90											
Dew Point	1428201	35311		39.2	6.899	900			16.2					90											

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

57-66

SEP  
MONTH

PAGE 1 1500-1700  
HOURS S. T.

HOURS S. T.

[illegible]

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

26210	FORT SIMPSON NWT OUT
STATION	STATION NAME

57-66

SEF

MONTH

PAGE 2 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	3.7	14.7	17.7	20.8	20.2	10.8	4.8	3.6	2.2	1.4	.2							900	900	900	900	

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210

FORT SIMPSON NWT OUT

57-66

SEP

MONTH

PAGE 1 1800-2000

HOURS 1800-2000

Temp. (F)		WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
72/ 71									.2	.1									3	3					
70/ 69								.1	.4										5	5					
68/ 67						.1	.1	.3	.1										6	6					
66/ 65						.2	.1	.1											3	3					
64/ 63					.4	.2	.2	.1	.1										10	10					
62/ 61			.4	.2	.3	.2	.1	.2											13	13	1				
60/ 59			.6	.4	1.1	.3	.2	.2											26	26	1				
58/ 57		.4	1.0	1.0	1.0	.1	.2		.1										35	35	18	2			
56/ 55		.4	1.6	1.8	1.1	.3	.2												49	49	23	5			
54/ 53		2.1	1.4	1.0	1.0	.4		.1											55	55	25	12			
52/ 51	.7	2.2	1.9	1.4	.1		.1												58	58	70	31			
50/ 49	.7	1.7	3.9	2.7	.7	.2													88	88	65	45			
48/ 47	.2	2.7	5.2	2.1	.4	.1													97	97	70	58			
46/ 45	.7	5.0	4.4	1.4	.4	.1													109	109	111	62			
44/ 43	1.2	3.3	2.8	1.2	.3														80	80	130	90			
42/ 41	.6	4.7	2.0	.8	.1														73	73	88	118			
40/ 39	.4	2.9	2.4	1.1															62	62	91	105			
38/ 37	.4	1.4	1.2	.2	.1														31	31	53	77			
36/ 35	.7	1.7	1.0	.4															34	34	53	70			
34/ 33	.7	2.3	.3																30	30	38	52			
32/ 31	.8	1.4	.2																22	22	37	69			
30/ 29	.7	.3																	9	9	15	36			
28/ 27	.1																		1	1	9	26			
26/ 25	.1																		1	1	2	15			
24/ 23																						11			
22/ 21																						10			
20/ 19																						2			
18/ 17																						2			
TOTAL		7.0	33.2	30.8	16.3	7.1	2.4	1.4	1.4	.2									900	900	900	900			

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum.	5511824	69214	76.9	14.498	900							
Dry Bulb	2025250	42086	46.8	7.978	900		3.3	1.4				90
Wet Bulb	1719737	38883	43.2	6.659	900		0.3					90
Dew Point	1441625	35433	39.4	7.202	900		17.3					90

DATA PROCESSING DIVISION  
USAF ETAG  
AIR MEATER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

7621 FERT SIMPSON NWR UNIT  
STATION NAME

57-66

SEP

PAGE 1 2100-2300

Temp		WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
F	C	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point		
66 / 65							.2	.2											2	2					
64 / 63							.3												2	2					
62 / 61						.1	.3												4	4					
60 / 59					.4	.3													7	7					
58 / 57		.2	.2	.4	.6														13	13					
56 / 55		.8	1.0	2.2															36	36	6	1			
54 / 53		.9	1.9	.4	.1	.3													33	33	18	5			
52 / 51	.9	2.0	1.2	.6	.3	.2													47	47	42	13			
50 / 49	.4	2.4	1.6	.4	.1	.1													46	46	61	35			
48 / 47	.6	4.0	2.2	1.1		.1													72	72	51	48			
46 / 45	.8	6.6	3.3	.9															102	102	68	76			
44 / 43	1.6	6.3	2.0	.4	.3														96	96	104	72			
42 / 41	2.6	5.8	3.0	.6															107	107	119	93			
40 / 39	1.9	6.0	1.3	.3															86	86	100	103			
38 / 37	1.4	3.3	1.6	.9															65	65	93	105			
36 / 35	1.7	3.1	1.2																54	54	59	82			
34 / 33	.9	2.2	.8	.1															36	36	55	60			
32 / 31	1.4	3.6	.3																48	48	58	61			
30 / 29	1.6	.9	.3																25	25	36	59			
28 / 27	.4	.7																	10	10	17	35			
26 / 25	.4	.2																	6	6	9	19			
24 / 23	.1																		1	1	1	21			
22 / 21	.2																		2	2	3	8			
20 / 19																						3			
18 / 17																						1			
TOTAL		16.6	49.1	22.7	8.9	1.9	1.3	.2											900	900	900	900			

Element (X)	Σ X	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6502330	75736	84.2	11.982	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1697778	38508	42.8	7.469	900		9.2					90
Wet Bulb	1522335	36525	40.6	6.673	900		12.4					90
Dew Point	1346685	34241	38.0	6.993	900		20.7					90

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

**CCT**

PAGE 1 0000-0200

HOURS ... 5.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
48/ 47																		3	3													
46/ 45			.3	.2	.4													9	9													
44/ 43		.4	1.2	1.7	.1	.1												26	26	10	5											
42/ 41		.1	1.4	.2		.1												17	17	23	14											
40/ 39		1.4	1.3	.6	.3													34	34	39	18											
38/ 37		1.6	2.5	.4	.2													44	44	30	31											
36/ 35		1.9	3.5	.5	.1													57	57	50	42											
34/ 33		2.0	6.0	.5														80	80	65	49											
32/ 31		2.4	6.6	.5														88	88	99	65											
30/ 29		6.2	3.5	.3														94	94	113	109											
28/ 27		3.4	3.5															65	65	71	85											
26/ 25		2.9	4.6	.1														71	71	58	64											
24/ 23		3.7	4.7															78	78	78	66											
22/ 21		4.7	4.4															85	85	99	66											
20/ 19		3.8	2.3															56	56	62	87											
18/ 17		1.3	.6															18	18	24	73											
16/ 15		1.9	1.5															32	32	37	33											
14/ 13		1.4	1.1															23	23	23	20											
12/ 11		.8	.4															11	11	17	35											
10/ 9		1.1	.3															15	15	14	18											
8/ 7		.8	.3															10	10	10	9											
6/ 5		.4																4	4	5	16											
4/ 3		.1																1	1	1	11											
2/ 1		.5																5	5	5	4											
0/ -1		.1																1	1	1	3											
-2/ -3																					3											
-4/ -5																					1											
-6/ -7		.1																1	1	1												
-8/ -9		.2																2	2	2												
-10/-11																					1											
-12/-13																					2											
TOTAL	43.3	50.4	4.5	1.2	.5													930	930	930	930											

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7246363	61733	87.9	8.252	930	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Dry Bulb	770776	25472	27.4	8.872	930	.4	66.0					93
Wet Bulb	720010	24658	26.5	8.443	930	.4	71.3					93
Dew Point	619718	22486	24.2	9.047	930	1.0	77.1					93

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2621C

FORT SIMPSON NWT DIST

57-66

JCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0900

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
48/ 47				.2														2	2					
46/ 45			.2	.2		.4												8	8					
44/ 43		1.2		.2														13	13	2				
42/ 41	.3	1.0	.1	.1														14	14	21	4			
40/ 39	1.8	1.4	.5	.1														36	36	30	33			
38/ 37	1.1	1.5	.2	.2														28	28	31	22			
36/ 35	2.2	3.0	.2															50	50	48	24			
34/ 33	2.4	5.2																75	75	60	57			
32/ 31	2.9	7.0	.3															95	95	84	71			
30/ 29	4.7	6.7	.2															108	108	122	93			
28/ 27	3.0	2.6	.2															54	54	65	59			
26/ 25	3.7	3.2	.1															65	65	67	58			
24/ 23	2.7	5.9																80	80	63	53			
22/ 21	4.7	4.1																82	82	101	62			
20/ 19	3.7	3.4																66	66	63	94			
18/ 17	2.4	1.4																35	35	45	57			
16/ 15	2.7	.8																32	32	37	50			
14/ 13	2.5	.4																27	27	29	42			
12/ 11	1.2	.6																17	17	14	30			
10/ 9	1.1																	10	10	15	21			
8/ 7	1.1	.3																13	13	13	14			
6/ 5	.5																	5	5	5	14			
4/ 3	.5																	5	5	5	10			
2/ 1	.3																	3	3	3	9			
0/ -1	.1	.1																2	2	2	3			
-2/ -3																					3			
-4/ -5	.1																	1	1	1	1			
-6/ -7	.1																	1	1	1				
-8/ -9	.1																	1	1	1	1			
-10/-11	.2																	2	2	2	2			
-12/-13																					3			
TOTAL	46.6	49.8	2.2	1.1	.4													930	930	930	930			

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Ref. Num.	7335766	82286	88.5	7.704	930							
Dry Bulb	718800	24486	26.3	8.931	930	.7	70.4					93
Wet Bulb	676528	23784	25.6	8.573	930	.7	73.8					93
Dew Point	586310	21690	23.3	9.305	930	1.3	79.0					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DOT  
STATION STATION NAME

57-66

YEARS

OCT  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B. W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point					
50/ 49																					1	1			
48/ 47																					2	2			
46/ 45																					5	5			
44/ 43			.9	.1																	11	11			
42/ 41		.2	.8	.1																	10	10	17	3	
40/ 39	1.3	.9	.4		.1																25	25	21	20	
38/ 37	1.0	1.9	.2																		29	29	26	21	
36/ 35	1.2	2.9	.2	.1																	41	41	34	24	
34/ 33	3.3	4.5	1.0																		82	82	65	46	
32/ 31	4.1	5.8	.4																		96	96	91	81	
30/ 29	4.4	6.3	.4																		104	104	116	81	
28/ 27	4.7	3.9																			80	80	95	104	
26/ 25	2.5	3.7																			57	57	56	79	
24/ 23	3.4	5.7	.1																		86	86	69	54	
22/ 21	3.0	3.2																			58	58	81	70	
20/ 19	4.2	2.7																			64	64	75	61	
18/ 17	3.2	1.4																			43	43	45	59	
16/ 15	2.4	1.5																			36	36	30	58	
14/ 13	1.7	1.0																			25	25	30	43	
12/ 11	1.5	.3																			17	17	20	26	
10/ 9	1.6	.5																			20	20	20	22	
8/ 7	1.8	.3																			20	20	19	24	
6/ 5	.5	.1																			6	6	8	18	
4/ 3	.6																				6	6	6	18	
2/ 1																								6	
0/ -1	.1																				1	1	1	2	
-2/ -3	.1																				1	1	1	4	
-4/ -5	.1																				1	1	1	1	
-6/ -7																								1	
-8/ -9																								1	
-10/-11	.1																				1	1	1	1	
-12/-13																								1	
-14/-15	.2																				2	2	2	2	
-18/-19																								2	
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature							Total		
Rel. Hum.																$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$				
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

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EET

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HOURS (L. S. T.)

[illegible]

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DUT

57-66

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B.-W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
58/57					.1		.1											2	2						
56/55							.1											1	1						
54/53							.4											4	4						
52/51					.1	.1	.1											3	3						
50/49				.1	.2		.2											5	5	1					
48/47		.2	.2	.1	.2													7	7						
46/45		.5	1.3	.2		.1												20	20	7	1				
44/43	.1	1.0	.8	.3	.2													22	22	19	2				
42/41	.1	1.3	.5	.4														22	22	23	16				
40/39	.8	1.5	1.2	.2	.1													35	35	33	17				
38/37	1.2	2.2	3.0	.3														62	62	41	34				
36/35	1.7	3.1	2.4	.1														86	86	63	41				
34/33	1.8	3.5	1.0															77	77	89	56				
32/31	2.6	3.9	.3															82	82	107	75				
30/29	2.7	4.8	.6															76	76	82	100				
28/27	1.6	4.4	.5															61	61	61	90				
26/25	1.6	4.4	.1															57	57	63	67				
24/23	1.5	3.1	.5															66	66	60	52				
22/21	2.9	3.3	.1															77	77	78	80				
20/19	2.7	2.6																49	49	76	48				
18/17	1.9	1.7																34	34	33	72				
16/15	1.0	2.6																33	33	28	57				
14/13	.8	1.1																17	17	27	31				
12/11	.6	.4																10	10	14	25				
10/9	.6	.1																7	7	8	22				
8/7	.9																	8	8	8	15				
6/5	.4																	4	4	4	13				
4/3																					7				
2/1	.1																	1	1	1	5				
0/-1	.1																	1	1	1	2				
-4/-3																					1				
-6/-7	.1																	1	1	1					
-10/-11																					1				

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 73 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

**57-66**

OCT

PAGE 2 0900-1100  
HOURS (L, S, T.)

[illegible]



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FURT SIMPSON NWT DOT
STATION	STATION NAME

57-66

YEARS

**OCT**  
**MONTH**

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
66/ 65								.2										2	2						
62/ 61									.1									1	1						
60/ 58						.2	.2	.3										5	5						
58/ 57					.2	.2	.1	.1										6	6						
56/ 55					.2	.1	.4											7	7						
54/ 53				.2	.3	.1		.2										8	8						
52/ 51		.1	.1	.9	.8		.1											18	18	2					
50/ 49		.2	.5	.8	1.0		.2											25	25	6					
48/ 47	.1	.2	.5	1.3	.4	.3	.2											29	29	12	2				
46/ 45		1.0	.5	.8	.4	.1												26	26	34	4				
44/ 43		1.0	1.1	1.6	.1	.2												37	37	32	12				
42/ 41	.6	1.3	1.8	1.6	.2													52	52	42	24				
40/ 39	.3	2.0	2.4	1.3	.4													65	65	49	35				
38/ 37	.3	1.8	3.4	.9	.1													61	61	67	34				
36/ 35	.8	3.1	2.5	.1														60	60	69	49				
34/ 33	1.4	3.7	1.1	.2														59	59	84	57				
32/ 31	2.2	4.8	1.6															80	80	89	96				
30/ 29	1.2	4.4	1.5															66	66	69	81				
28/ 27	1.0	4.8	1.3															66	66	59	92				
26/ 25	1.7	6.1	1.0															82	82	88	63				
24/ 23	1.0	4.3	.4															53	53	68	65				
22/ 21	.6	2.4	.1															29	29	51	82				
20/ 19	.4	1.8	.1															22	22	28	61				
18/ 17	1.4	1.8	.1															31	31	33	47				
16/ 15	.5	.6																11	11	16	44				
14/ 13	.4	.6																10	10	10	27				
12/ 11	.3	.3																6	6	9	16				
10/ 9	.8	.3																10	10	7	10				
8/ 7	.1																	1	1	4	12				
6/ 5	.2																	2	2	2	10				
4/ 3																					5				
2/ 1																					2				
TOTAL	15.4	47.4	20.1	9.6	4.2	1.3	1.1	.9	.1									930	930	930	930				
Element (X)	Σ x'		Σ x		X̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	5765568		72000		77.414353		930		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total				
Dry Bulb	1119221		30823		33.110253		930				46.9										93				
Wet Bulb	941263		28479		30.68628		930				53.3										93				
Dew Point	711364		24438		26.38630		930				71.3										93				

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DDT  
STATION NAME

57-66

YEARS

OCT  
MONTH

PAGE 1 1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B.-W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
56/ 55					.1													1	1					
54/ 53						.1	.3											5	5					
52/ 51					.1	.2	.2											5	5					
50/ 49		.2	.3	.4	.4	.2												15	15					
48/ 47				.3	.6	.3	.1											13	13	5	1			
46/ 45	.1	.5		.3	.5	.1	.3											18	18	6	1			
44/ 43	.2	1.0	.9	.3	.1	.2												25	25	25	9			
42/ 41	.3	1.8	1.5	.2	.2													38	38	28	17			
40/ 39	1.0	1.7	2.0	.2														46	46	47	22			
38/ 37	.9	2.9	1.6	.5	.1													56	56	44	27			
36/ 35	.9	3.9	2.0	.3	.1													67	67	61	39			
34/ 33	1.4	5.8	1.3	.1														80	80	77	67			
32/ 31	3.8	4.4	1.0															85	85	120	88			
30/ 29	1.7	4.6	.9															67	67	70	83			
28/ 27	1.5	5.6	.4															70	70	70	86			
26/ 25	3.7	6.8	.2															99	99	90	63			
24/ 23	2.6	4.2																63	63	87	107			
22/ 21	2.0	2.4																41	41	51	61			
20/ 19	1.2	2.0	.1															31	31	36	71			
18/ 17	1.9	2.4	.1															41	41	37	45			
16/ 15	.5	.5																10	10	18	44			
14/ 13	1.2	.5																16	16	17	25			
12/ 11	.5	.3																8	8	9	18			
10/ 9	.8	.1																8	8	10	9			
8/ 7	.8	.3																10	10	9	14			
6/ 5	.2																	2	2	3	9			
4/ 3	.2																	2	2	2	8			
2/ 1	.2																	2	2	2	5			
0/ -1	.4																	4	4	4	2			
-2/ -3	.2																	2	2	2	3			
-4/ -5																					4			
-6/ -7																					2			
TOTAL	28.25	2.013	.0	3.5	1.5	1.2	.5											930	930		930			
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	6567997		77367		83.211		9.912		930		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	918502		27838		29.9		9.578		930		.6	56.1					93							
Wet Bulb	815790		26360		28.3		8.596		930		.6	63.7					93							
Dew Point	661624		23374		25.1		8.934		930		1.1	74.7					93							

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210

FORT SIMPSON NWT DUT

57-66

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PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B. W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb Dew Point					
50/49																		6	6					
48/47																		7	7					
46/45																		18	18		1			
44/43																		25	25	10	6			
42/41																		22	22	23	13			
40/39																		28	28	35	16			
38/37																		53	53	35	24			
36/35																		69	69	62	43			
34/33																		76	76	67	50			
32/31																		85	85	105	84			
30/29																		77	77	94	79			
28/27																		79	79	73	73			
26/25																		70	70	73	91			
24/23																		78	78	85	82			
22/21																		74	74	73	69			
20/19																		37	37	57	66			
18/17																		30	30	25	65			
16/15																		29	29	33	39			
14/13																		15	15	18	29			
12/11																		21	21	20	25			
10/9																		7	7	11	19			
8/7																		7	7	7	13			
6/5																		4	4	4	16			
4/3																		5	5	5	9			
2/1																		2	2	1	5			
0/-1																		2	2	3	3			
-2/-3																		2	2	2				
-4/-5																		2	2	2	4			
-6/-7																					3			
-8/-9																					1			
TOTAL	36.8	49.6	10.3	1.8	1.2	.3												930	930	930	930			
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	6897236	79524	85.9	10.227	930	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93												
Dry Bulb	814405	26159	28.1	9.199	930	.6	62.6					93												
Wet Bulb	742366	25056	26.9	8.512	930	.7	69.3					93												
Dew Point	617933	22449	24.1	9.047	930	1.1	77.5					93												



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

USAFETAC FORM 0.26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

26210	FORT SIMPSON NWT DIST
STATION NAME	STATION NAME

**57-66**

YEARS

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HOURS (L, S, T)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

26210	FORT SIMPSON NWT DOT
STATION	STATION NAME

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PAGE 2      0000-0200  
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
-28/-29	.4																	5	5	5	13			
-30/-31	.5																	4	4	4	5			
-32/-33	.1																	1	1	1	6			
-34/-35	.5																	4	7	4	4			
-36/-37																			4		3			
-38/-39																			5		1			
-44/-45																					1			
-48/-49																					1			
TOTAL	44.1	15.7	.2															888	900	888	888			

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6099785	73317	82.6	7.235	888							90
Dry Bulb	193816	1854	2.1	14.614	900	39.5	89.7					90
Wet Bulb	175993	2143	2.4	13.877	888	38.8	89.7					90
Dew Point	198367	-1371	-1.5	14.875	888	47.0	89.8					90

USAFETAC FORM 0-26.5 (OL A) III 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

NOV

YEARS

MONTH

PAGE 1

0300-0500  
HOURS IL, S, T, J

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
42/ 41			.1	.1														2	2												
38/ 37				.1														1	1	1											
36/ 35																				1											
34/ 33																				1	1										
32/ 31			.1															1	1												
30/ 29		.5	.3															7	7	7	3										
28/ 27		.5	.5															8	8	7	9										
26/ 25	1.7	.6																20	20	20	7										
24/ 23	2.0	.5																22	22	21	22										
22/ 21	1.0	.5																13	13	14	15										
20/ 19	3.1	.7																33	33	31	13										
18/ 17	1.4	1.0																21	21	21	25										
16/ 15	4.4	1.2																50	50	50	22										
14/ 13	3.3	1.7																44	44	39	38										
12/ 11	4.6	1.9																58	58	57	34										
10/ 9	4.1	1.2																47	47	49	45										
8/ 7	3.2	1.8																44	44	47	47										
6/ 5	4.0	.3																38	38	42	43										
4/ 3	3.5	.8																34	38	38	48										
2/ 1	3.5	.3																34	34	34	34										
0/ -1	3.6	.5																36	36	35	35										
-2/ -3	5.6	.1																51	51	52	32										
-4/ -5	4.7	.7																48	48	47	39										
-6/ -7	4.7	.3																45	45	45	38										
-8/ -9	3.8																	34	34	36	45										
-10/-11	3.6	.5																36	36	36	42										
-12/-13	3.3	.5																33	33	31	47										
-14/-15	2.9	.1																27	27	28	24										
-16/-17	2.5	.2																24	24	24	32										
-18/-19	1.5																	13	13	14	31										
-20/-21	1.2	.1																12	12	12	24										
-22/-23	1.4																	12	12	12	20										
-24/-25	1.5																	13	13	13	19										
-26/-27	.1																	1	1	1	12										
Element (X)	Σ X'	Σ X	Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																									
Rel. Hum.						≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																			
Dry Bulb																															
Wet Bulb																															
Dew Point																															



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

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HOURS: 11:30 A.M. - 5:00 P.M.

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
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## YEARS

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

**57-66**

NUV  
MONTH

PAGE 2 0600-0800  
HOURS (1 - 5 - T -)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point				
-34/-35	.1																	1	4	1	3				
-36/-37																			2		2				
-38/-39																			5		4				
-40/-41																			2						
-42/-43																			2						
TOTAL	84.1	15.8	.1															886	900	886	886				

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION  
USAF ETAC  
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## PSYCHROMETRIC SUMMARY

26210

FORT SIMPSON NWT DDT

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NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100

HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb Dew Point					
34/33		.1																1	1					
32/31		.2																2	2					
30/29	.2	.9																10	10	3				
28/27	.2	.8																9	9	6				
26/25	.7	.9																14	14	10				
24/23	.2	1.5																15	15	7				
22/21	1.1	1.8																26	26	13				
20/19	1.9	3.1																45	45	20				
18/17	2.5	1.7																37	37	28				
16/15	2.7	2.4																45	45	32				
14/13	2.2	1.3																32	32	43				
12/11	4.4	2.0																57	57	40				
10/9	4.9	1.5																57	57	35				
8/7	4.3	1.8																54	54	58				
6/5	4.3	.8																45	45	54				
4/3	3.0	1.0																36	36	34				
2/1	3.1	.8																35	35	47				
0/-1	3.7	.2																35	35	40				
-2/-3	2.7	.4																28	28	33				
-4/-5	4.9	.4																48	48	35				
-6/-7	4.9																	44	44	33				
-8/-9	4.2	.2																39	39	34				
-10/-11	4.9	.4																48	48	48				
-12/-13	2.8	.4																29	29	52				
-14/-15	1.7																	15	15	38				
-16/-17	2.0																	18	18	27				
-18/-19	1.6																	14	14	31				
-20/-21	1.3																	12	12	18				
-22/-23	1.0	.1																10	10	12				
-24/-25	1.2	.1																12	12	12				
-26/-27	.9																	8	8	12				
-28/-29	.8																	7	7	12				
-30/-31	.1																	1	1	3				
-32/-33																				11				
Element (X)	Σ x'	Σ x	Σ	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST

57-66

NGV

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0900-1100  
HOURS (L. S. - T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-34/-35	.1																																1	3	1	5
-36/-37																																		3		2
-38/-39																																		2		1
-40/-41																																		2		
-47/-43																																		2		
TOTAL	74.925	.1																															889	900	889	889

Element (X)	$\Sigma x^1$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5943319	72425	81.5	6.959	889							
Dry Bulb	186376	2356	2.614	1.166	900	38.0	89.9					90
Wet Bulb	163945	2543	2.913	1.283	889	37.9	90.0					90
Dew Point	177582	-1200	-1.314	1.077	889	46.5	90.0					90

USAFETAC  
FORM  
JUL 64  
0-26 5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210

FORT SIMPSON NWT OUT

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STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point						
38/ 37		.1																1	1								
36/ 35		.2																2	2	1							
34/ 33	.1	.4																5	5	4	1						
32/ 31	.1	.4																5	5	4	5						
30/ 29		.6	.1															6	6	4	4						
28/ 27	.3	1.3																15	15	13	3						
26/ 25	.3	2.1																22	22	13	10						
24/ 23	1.6	1.6																28	28	34	12						
22/ 21	1.1	3.7																43	43	34	28						
20/ 19	2.0	3.9																53	53	56	21						
18/ 17	1.6	2.8	.1															40	40	42	39						
16/ 15	1.1	2.7																34	34	35	49						
14/ 13	3.0	3.8																61	61	49	38						
12/ 11	2.3	2.0																39	39	56	39						
10/ 9	3.0	2.4																49	49	44	37						
8/ 7	2.7	2.4																46	46	44	44						
6/ 5	4.3	1.8																55	55	61	51						
4/ 3	2.9	1.2																37	37	42	35						
2/ 1	2.8	.9																33	33	34	49						
0/ -1	3.4	.7																37	37	39	37						
-2/ -3	5.5	1.1																59	59	57	48						
-4/ -5	4.3	.6																44	44	43	42						
-6/ -7	2.7	.6																29	29	32	37						
-8/ -9	4.0	.4																40	40	39	61						
-10/-11	2.8	.1																26	26	28	33						
-12/-13	1.8	.1																17	17	18	42						
-14/-15	1.4																	13	13	13	32						
-16/-17	2.3	.2																23	23	21	16						
-18/-19	1.4																	13	13	15	16						
-20/-21	.9																	8	8	8	14						
-22/-23	.4																	4	4	4	25						
-24/-25	.2																	2	2	2	11						
-26/-27	.1																	1	1	1	4						
-28/-29	.3																	3	3	3	2						
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature																
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																											
Wet Bulb																											
Dew Point																											

DATA PROCESSING DIVISION  
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## YEARS

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PAGE 2 1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-30/-31	.3																	3	3	3	4
-32/-33	.2																	2	2	2	2
-34/-35	.1																	1	2	1	1
-36/-37																					3
-38/-39																					1
-40/-41																					1
-42/-43																					1
-48/-49																					1
TOTAL	61.838.2	.2																899	900	899	899

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DATA PROCESSING DIVISION  
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## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT OUT  
STATION

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MONTHPAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
38/ 37		.1																1	1					
36/ 35																				1				
34/ 33		.2																2	2		1			
32/ 31	.3	.4																7	7	6	3			
30/ 29		.7																6	6	7	6			
28/ 27	.7	1.7																21	21	14	5			
26/ 25	.3	1.0																12	12	13	12			
24/ 23	1.3	1.3																24	24	20	8			
22/ 21	1.6	2.8																39	39	29	23			
20/ 19	1.3	2.9																38	38	44	25			
18/ 17	2.4	3.8																56	56	51	28			
16/ 15	2.3	2.6																44	44	53	38			
14/ 13	4.1	3.1																63	63	64	50			
12/ 11	1.6	1.4																27	27	30	49			
10/ 9	2.9	1.3																38	38	40	43			
8/ 7	3.3	1.4																43	43	45	39			
6/ 5	3.4	1.2																42	42	40	39			
4/ 3	3.6	1.0																41	41	45	33			
2/ 1	4.9	.9																52	52	50	38			
0/ -1	2.7																	24	24	28	39			
-2/ -3	5.7	1.4																64	64	59	54			
-4/ -5	5.1	.4																50	50	53	37			
-6/ -7	5.4	.6																36	36	37	43			
-8/ -9	2.8																	26	26	27	46			
-10/-11	3.0	.4																31	31	28	47			
-12/-13	2.3																	21	21	24	43			
-14/-15	1.9																	17	17	17	25			
-16/-17	1.1	.1																11	11	10	27			
-18/-19	2.2																	20	20	21	16			
-20/-21	1.0	.3																12	12	9	18			
-22/-23	.8																	7	7	10	13			
-24/-25	.6																	5	5	5	7			
-26/-27	.2																	2	2	2	12			
-28/-29	.2																	2	2	2	7			
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC  
FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

DATA PROCESSING DIVISION  
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## YEARS

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

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MONTH

PAGE 2      1500-1700  
HOURS: 1. 5. 7. 1.

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B., W.B.	TOTAL		
																		Dry Bulb	Wet Bulb	Dew Point	
-30/-31	.7																	6	6	6	4
-32/-33	.9																	8	8	8	4
-34/-35																					5
-36/-37																					3
-38/-39																					4
-40/-41																					1
-42/-43																					1
TOTAL	78.83	1.2																900	900	900	

Element (X)	$\Sigma x^1$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5983726	73086	81.2	7.357	900							90
Dry Bulb	189844	4192	4.713	.764	900	34.2	89.7					90
Wet Bulb	180747	3873	4.313	.510	900	34.6	89.9					90
Dew Point	184519	89	.114	.326	900	45.8	89.9					90

USAFETAC FORM 0.26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
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## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DUT
STATION	STATION NAME

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NDV

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HOURS (L.S.T.)

HOURS: 11 - 5 - 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point												
30/ 29	.4	.8																11	11	8	2												
28/ 27	.9	.9																16	16	13	14												
26/ 25	.6	1.2																16	16	17	11												
24/ 23	.4	.9																12	12	13	8												
22/ 21	1.9	1.1																27	27	24	16												
20/ 19	2.2	1.3																32	32	34	21												
18/ 17	3.2	2.6																52	52	47	23												
16/ 15	3.1	1.6																42	42	45	33												
14/ 13	4.3	1.9																56	56	57	46												
12/ 11	3.3	1.6																44	44	41	44												
10/ 9	2.9	1.4																39	39	38	46												
8/ 7	4.5	1.7																55	55	59	38												
6/ 5	3.2	1.0																38	38	40	40												
4/ 3	3.8	.3																37	37	39	51												
2/ 1	3.6	.7																38	38	38	38												
0/ -1	3.8	.6																39	39	38	39												
-2/ -3	3.7	.7																39	39	40	31												
-4/ -5	4.3	.9																47	47	43	39												
-6/ -7	5.9	.9																61	61	64	34												
-8/ -9	2.6	.3																26	26	28	46												
-10/-11	2.9	.2																28	28	29	51												
-12/-13	3.1																	28	28	28	43												
-14/-15	2.6	.1																24	24	23	32												
-16/-17	2.2																	20	20	21	29												
-18/-19	1.2																	11	11	11	27												
-20/-21	1.4																	13	13	13	21												
-22/-23	1.0	.2																11	11	10	16												
-24/-25	.8																	7	7	8	7												
-26/-27	.9																	8	8	8	7												
-28/-29	.7																	6	6	6	9												
-30/-31	.2																	2	2	2	10												
-32/-33	1.0																	9	9	9	8												
-34/-35	.4																	4	5	4	7												
-36/-37																			1		2												
Element (X)	Σ x'		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total										
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST  
STATION NAME

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HOURS (L.S.T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

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MONTH

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21004250  
HOURS 11 5 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
40/ 39		.1																1	1				
38/ 37																					1		
36/ 35																					1		
32/ 31		.1																1	1				
30/ 29	.3	.8																10	10	8	2		
28/ 27	.7	.3																9	9	10	8		
26/ 25	1.5	.8																20	20	19	13		
24/ 23	1.1	.7																16	16	15	13		
22/ 21	1.3	.9																20	20	21	14		
20/ 19	2.3	.7																27	27	25	13		
18/ 17	2.3	1.6																35	35	29	24		
16/ 15	3.8	2.2																54	54	56	24		
14/ 13	3.9	1.0																44	44	48	36		
12/ 11	3.6	1.9																49	49	45	47		
10/ 9	3.2	1.9																46	46	49	42		
8/ 7	2.9	.8																33	33	37	39		
6/ 5	6.2	.8																62	62	61	38		
4/ 3	4.0	1.1																46	46	45	57		
2/ 1	3.4																	30	30	34	44		
0/ -1	3.1	.4																32	32	29	55		
-2/ -3	3.6	.7																38	38	39	26		
-4/ -5	4.1	.6																42	42	41	22		
-6/ -7	6.4	.3																60	60	63	37		
-8/ -9	3.9	.3																34	34	33	40		
-10/-11	3.0	.1																28	28	29	44		
-12/-13	2.6	.1																24	24	24	50		
-14/-15	3.6	.2																34	34	33	30		
-16/-17	2.2	.2																22	22	22	19		
-18/-19	1.6																	14	14	15	35		
-20/-21	1.1	.1																11	11	10	21		
-22/-23	1.1																	10	10	11	28		
-24/-25	1.2																	11	11	11	8		
-26/-27	.7																	6	6	6	12		
-28/-29	.8																	7	7	7	10		
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total						
Dry Bulb																							
Wet Bulb																							
Dew Point																							

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST  
STATION STATION NAME

57-66

275  
MONTH

PAGE 2 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-30/-31	.9																	8	8	8	10														
-32/-33	.7																	6	6	6	9														
-34/-35	.4																	4	4	4	5														
-36/-37																			5		5														
-38/-39																					5														
-40/-41																				1	3														
-42/-43																					1														
TOTAL	1.218.8																	894	900	894	894														

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6065871	73267	82.1	7.330	892							
Dry Bulb	190104	1722	1.9	14.415	900	39.7	89.9					90
Wet Bulb	177822	1770	2.0	13.972	894	39.4	89.9					90
Dew Point	203136	-1840	-2.1	14.941	894	47.8	89.9					90



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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DOT

57-66

DEC

PAGE 1 0000-0200

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
32/31	.1																																	1	1	1	
30/29																																		2	2	2	1
22/21	.2																																	4	4	4	2
20/19	.3																																	1	1		4
18/17		.1																																9	9	10	
16/15	.9	.1																																17	17	16	5
14/13	1.2	.7																																11	11	11	14
12/11	.8	.9																																26	26	24	11
10/9	2.4	.6																																24	24	26	14
8/7	2.5	.2																																33	33	34	20
6/5	3.6	.1																																43	43	39	23
4/3	4.3	.6																																46	46	48	33
27/1	5.0	.2																																43	43	45	37
0/-1	4.6	.2																																49	49	48	41
-27/-3	5.1	.9																																57	57	55	45
-4/-5	6.0	.5																																56	56	57	47
-6/-7	6.0	.3																																63	63	64	36
-8/-9	6.6	.6																																36	36	36	65
-10/-11	3.7	.2																																50	50	49	53
-12/-13	5.2	.9																																35	35	35	52
-14/-15	3.6	.3																																23	23	24	37
-16/-17	2.4	.1																																34	34	34	38
-18/-19	3.6	.2																																49	49	49	43
-20/-21	5.4	.1																																36	36	36	27
-22/-23	3.9	.2																																34	34	34	31
-24/-25	3.7	.1																																23	23	24	35
-26/-27	2.6																																	21	21	21	31
-28/-29	2.4																																	24	24	24	41
-30/-31	2.6	.1																																18	18	18	29
-32/-33	2.0																																	15	22	15	18
-34/-35	1.6	.1																																8			15
-36/-37																																		9			18
-38/-39																																		8			11
-40/-41																																					

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2621 : FORT SIMPS IN NWT DIST  
STATION NAME

57-66

YEARS MONTH

PAGE 2 0000-0200  
HOURS: 11:55 A.M.

Temp.		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
F		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point	
-42/-43																																			6	2
-44/-45																																			5	9
-46/-47																																			2	
-48/-49																																			2	
TOTAL	2.9 7.1																																		883	930 883

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	
Rel. Hum.	5397932	68716	77.8	7.558	883							
Dry Bulb	286813	-9885	-10.6	13.987	930	71.3	93.0					93
Wet Bulb	212371	-8081	-9.2	12.527	883	70.4	93.0					93
Dew Point	338838	-12524	-14.2	13.519	883	79.6	93.0					93

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIST  
STATION NAME

57-66

DEC  
MONIN

PAGE 1 0300-0500  
HOURS (L. S. T.)

HOURS (L, S, T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

DEC  
1964

PAGE 2 0300-0500  
HQ-JRS - S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
-36/-37																			20	1	12			
-38/-39																			12		8			
-40/-41																			9		17			
-42/-43																			9		3			
-44/-45																			7		3			
-46/-47																			2					
-48/-49																					1			
TOTAL	91.7	8.3																864	930	864	864			

Element (X)	Σ x'	Σ x	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	5287054	67326	77.9	6.873	864							
Dry Bulb	296080	-9912	-10.7	14.318	930	72.3	92.9					93
Wet Bulb	194585	-7403	-8.6	12.328	864	71.0	92.9					93
Dew Point	310918	-11728	-13.6	13.259	864	78.9	92.9					93

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DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DUT

57-66

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
40/ 39					.1																												1	1		
38/ 37					.1																												2	2		
36/ 35		.1																															1	1	2	
34/ 33																																		2	2	1
32/ 31			.1																														1	1		
30/ 29			.2																														2	2	1	3
28/ 27																																			2	
26/ 25																																				1
24/ 23																																				2
22/ 21		.1																																1	1	1
20/ 19																																				1
18/ 17		.6	.3																															8	8	5
16/ 15		.2	.3																															5	5	6
14/ 13		.1	.1																															2	2	4
12/ 11	2.3	1.3																																31	31	21
10/ 9	2.2	.2																																21	21	30
8/ 7	2.8	.2																																26	26	29
6/ 5	3.7	.5																																36	36	36
4/ 3	3.1	.9																																35	35	33
2/ 1	4.8	.5																																45	45	47
0/ -1	4.1	.3																																38	38	39
-2/ -3	5.8	.9																																58	58	53
-4/ -5	5.3	.7																																52	52	56
-6/ -7	4.5	.8																																46	46	44
-8/ -9	5.7	.2																																51	51	53
-10/-11	9.2	.5																																83	83	85
-12/-13	5.1																																	44	44	44
-14/-15	3.7	.1																																33	33	33
-16/-17	4.3																																	37	37	37
-18/-19	3.3	.2																																30	30	29
-20/-21	2.6																																	22	22	23
-22/-23	3.5																																	30	30	30
-24/-25	3.4	.1																																30	30	29
-26/-27	1.7																																	15	15	16
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_X$					No. Obs.					Mean No. of Hours with Temperature						Total				
Rel. Hum.																										$\leq 0 F$ $\leq 32 F$ $\geq 67 F$ $\geq 73 F$ $\geq 80 F$ $\geq 93 F$										
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FURT SIMPSON NWT DIST
STATION	STATION NAME

57-66

YEARS

DEC  
MONTH

PAGE 2      0600-0800  
HOURS (L E T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL																				
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																					
-28/-29	1.4	.2																14	14	12	16																					
-30/-31	2.7	.1																24	24	26	25																					
-32/-33	2.6	.1																23	24	23	20																					
-34/-35	1.5																	13	20	13	14																					
-36/-37																			20		24																					
-38/-39																			19		12																					
-40/-41																			4		16																					
-42/-43																			9																							
-44/-45																			7		5																					
-46/-47																			3																							
-48/-49																					3																					
-52/-53																					1																					
TOTAL	90.5	9.2	.3															860	930	860	860																					

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NAT DOT
STATION	STATION NAME

57-66

YEARS

DEC

PAGE 1 0900-1100  
HOURS 11-5, T-1

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

YEAR:

57-66

DEC  
MONTH

PAGE 2 0900-1100  
HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																		
-30/-31	2.6																	23	23	23	23																		
-32/-33	2.7	.1																25	26	24	14																		
-34/-35	1.9																	17	22	18	28																		
-36/-37																			16		17																		
-38/-39																			11		22																		
-40/-41																			10		15																		
-42/-43																			2		2																		
-44/-45																			5		2																		
-46/-47																			5		2																		
TOTAL	88.8	10.6	.3	.2															930		874																		
																		874		874																			



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## YEARS

**57-66**

DEC  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

26210	FURT SIMPSON NWT DOT
STATION	STATION NAME

**57-66**

DEC

PAGE 2      1200-1400  
HOURS      S. T. J.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-28/-29	2.4	.1																23	23	22	26														
-30/-31	2.6																	24	24	23	20														
-32/-33	1.9																	17	17	17	27														
-34/-35	1.2																	11	16	11	24														
-36/-37	.1																	1	7	1	24														
-38/-39																					14														
-40/-41																				2	10														
-42/-43																				1	6														
-44/-45																				6	2														
-46/-47																					1														
TOTAL	57.1	12.1	.2	.5															910	930	910	910													
																						910		910		910									

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FIGHT SIMPSON NWT OUT
STATION	STATION NAME

**57-66**

DEC  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B.-W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
36/ 35			.4															3	3													
34/ 33				.1														1	1													
32/ 31			.2															2	2	3												
30/ 29																				1												
28/ 27		.1																1	1	3												
26/ 25																				2												
24/ 23	.1																	1	1	1												
22/ 21																				1												
20/ 19	.1																	1	1	1												
18/ 17	.7	.2																9	9	6												
16/ 15	.3	.3																6	6	8												
14/ 13	.4	.8																11	11	10												
12/ 11	2.2	.9																28	28	27												
10/ 9	2.0	.9																26	26	27												
8/ 7	2.6	.8																30	30	27												
6/ 5	3.5	2.1																50	50	43												
4/ 3	2.2	.8																27	27	35												
2/ 1	3.2	.7																35	35	34												
0/ -1	5.0	.9																53	53	51												
-2/ -3	5.0	1.2																56	56	61												
-4/ -5	6.0	.4																58	58	56												
-6/ -7	6.2	.7																62	62	63												
-8/ -9	5.0	.2																47	47	49												
-10/-11	6.2	.4																60	60	58												
-12/-13	5.1	.4																50	50	52												
-14/-15	4.1																	37	37	40												
-16/-17	3.7	.1																34	34	34												
-18/-19	2.3	.1																22	22	21												
-20/-21	4.1	.1																38	38	39												
-22/-23	3.5																	31	31	31												
-24/-25	1.8																	16	16	16												
-26/-27	3.3																	30	30	30												
-28/-29	3.6	.2																34	34	32												
-30/-31	2.2																	20	20	22												
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature																					
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total															
Dry Bulb																																
Wet Bulb																																
Dew Point																																

DATA PROCESSING DIVISION  
USAF ETAC.  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

26210	FORT SIMPSON NWT DIST
STATION	STATION NAME

57-66

DEC  
MONTH

PAGE 2      1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
-32/-33	1.3																	17	12	12	22			
-34/-35	.6	.1																6	11	6	30			
-36/-37																			8		22			
-38/-39																			5		10			
-40/-41																			8		5			
-42/-43																			3		2			
-44/-45																			2		3			
-46/-47																			2					
-52/-53																					3			
TOTAL	46.6	12.7	.6	.1														897	930	897	897			

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DATA PROCESSING DIVISION  
USAF ETAL  
AIR WEATHER SERVICE/4AC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT DIT

57-66

DEC

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000

HOURS U.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
32/ 31			.1															1	1						
30/ 29			.1															1	1						
28/ 27		.2																2	2	2					
26/ 25																				2					
24/ 23	.1	.1																2	2	2					
22/ 21	.1	.1																2	2	2	4				
20/ 19		.1																1	1	1	1				
18/ 17	.1																	1	1	1	3				
16/ 15	.4	.2																6	6	6					
14/ 13	1.1	.7																16	16	12	6				
12/ 11	1.6	.7																20	20	20	3				
10/ 9	2.7	.4																28	28	30	10				
8/ 7	3.1	.7																34	34	34	26				
6/ 5	3.0	1.2																38	38	32	29				
4/ 3	4.4	.9																47	47	49	31				
2/ 1	2.6	.9																31	31	35	31				
0/ -1	4.5	.6																45	45	45	38				
-2/ -3	5.3	.7																53	53	52	34				
-4/ -5	3.9	.7																37	37	38	43				
-6/ -7	5.6	.8																57	57	55	43				
-8/ -9	5.3	.3																50	50	52	43				
-10/-11	5.2	.6																51	51	52	48				
-12/-13	6.7																	60	60	61	53				
-14/-15	4.3	.4																42	42	41	35				
-16/-17	5.1	.1																46	46	47	58				
-18/-19	2.8																	25	25	25	57				
-20/-21	3.3	.1																30	30	29	31				
-22/-23	3.4	.2																32	32	31	45				
-24/-25	3.1	.3																31	31	31	35				
-26/-27	3.7																	33	33	35	25				
-28/-29	3.6																	32	32	32	24				
-30/-31	1.8																	16	16	16	30				
-32/-33	1.5																	13	13	13	29				
-34/-35	.7																	6	10	6	35				
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature							Total												
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F														
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2621<sup>st</sup> FORT SIMPSON NWT DUT  
STATION

57-66

YEARS

DEC  
MONTH

PAGE 2 1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-36/-37																			5		11														
-38/-39																			8		11														
-40/-41																			10		12														
-42/-43																			11																
-44/-45																			2		1														
-46/-47																			1		2														
-48/-49																					1														
TOTAL	88.9	11.1	.2															889	930	889	889														

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	9364981	68743	77.3	7.454	889							
Dry Bulb	269261	-9149	-9.8	13.891	930	70.0	93.0					93
Wet Bulb	202878	-7616	-8.6	12.450	889	69.1	93.0					93
Dew Point	324131	-12135	-13.7	13.359	889	77.8	93.0					93

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

26210 FORT SIMPSON NWT OUT  
STATION

57-66

YEARS

DEC

MONTH

PAGE 1 2100-2300  
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
26/ 25		.2																2	2						
24/ 23																				2					
22/ 21	.1																	1	1	1	2				
20/ 19	.2	.1																3	3	2	1				
18/ 17	.4	.3																7	7	6	2				
16/ 15	.4	.3																7	7	7	3				
14/ 13	1.9	.3																20	20	20	7				
12/ 11	1.2	.3																14	14	14	9				
10/ 9	2.5	.4																26	26	26	17				
8/ 7	1.1	.6																15	15	14	20				
6/ 5	3.6	.6																37	37	39	21				
4/ 3	4.9	1.1																54	54	50	12				
2/ 1	3.4	.6																35	35	37	30				
0/ -1	4.3	.8																45	45	42	45				
-2/ -3	4.7	.9																50	50	54	40				
-4/ -5	4.4	.6																44	44	42	45				
-6/ -7	5.0	.4																49	49	51	39				
-8/ -9	5.4	.8																55	55	54	51				
-10/-11	6.8	.2																63	63	66	39				
-12/-13	3.8																	34	34	34	47				
-14/-15	3.5	.1																32	32	31	48				
-16/-17	3.7	.4																37	37	37	59				
-18/-19	5.2	.2																48	48	48	33				
-20/-21	3.8	.1																35	35	35	36				
-22/-23	3.0	.1																28	28	28	34				
-24/-25	3.8	.2																36	36	35	43				
-26/-27	3.9																	35	35	37	28				
-28/-29	3.4																	30	30	30	27				
-30/-31	2.5	.1																23	23	22	31				
-32/-33	2.0	.1																19	19	19	41				
-34/-35	.9																	8	9	9	27				
-36/-37																			6		21				
-38/-39																			9		18				
-40/-41																			3		12				
Element (X)	Σ x'		Σ x		Σ		Σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												Total		
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

2

DATA PROCESSING DIVISION  
USAF ETAC  
AIR EATER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2621 FORT STIMPSON NWT DUT

57-66

DEC

PAGE 2 2100-2300

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
-42/-43																				11		3													
-44/-45																				7															
-46/-47																				1															
-48/-49																					1														
TOTAL	9.910.1																	892	930	892	892														

Element X	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5385229	68975	77.3	7.614	892							
Dry Bulb	282842	-9730	-10.9	13.960	930	70.9	93.0					93
Wet Bulb	219987	-8277	-9.3	12.677	892	70.3	93.0					93
Dew Point	330630	-12840	-14.4	13.641	892	80.1	93.0					93

USAF ETAC  
FORM 0 26 5 (OL A)  
JUL 64



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

26210 FORT SIMPSON NWT DUT

57-66

STATION

STATION NAME

YEARS

HRS. LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN -16.9 S D 10.932 TOTAL OBS 930	MEAN -11.9 S D 14.767 TOTAL OBS 846	MEAN -.9 S D 15.402 TOTAL OBS 930	MEAN 20.7 S D 12.372 TOTAL OBS 900	MEAN 38.4 S D 8.471 TOTAL OBS 921	MEAN 50.3 S D 6.448 TOTAL OBS 900	MEAN 56.0 S D 5.904 TOTAL OBS 930	MEAN 52.7 S D 6.752 TOTAL OBS 930	MEAN 40.7 S D 7.279 TOTAL OBS 900	MEAN 27.4 S D 8.872 TOTAL OBS 930	MEAN 2.1 S D 14.614 TOTAL OBS 900	MEAN -10.6 S D 13.987 TOTAL OBS 930	MEAN 20.8 S D 28.585 TOTAL OBS 10947
03-05	MEAN -17.0 S D 17.207 TOTAL OBS 930	MEAN -13.2 S D 14.910 TOTAL OBS 846	MEAN -3.3 S D 15.427 TOTAL OBS 930	MEAN 17.8 S D 12.907 TOTAL OBS 900	MEAN 36.1 S D 8.396 TOTAL OBS 922	MEAN 48.8 S D 5.909 TOTAL OBS 900	MEAN 54.1 S D 5.309 TOTAL OBS 930	MEAN 50.2 S D 6.399 TOTAL OBS 930	MEAN 39.2 S D 6.870 TOTAL OBS 900	MEAN 26.3 S D 8.931 TOTAL OBS 930	MEAN 1.5 S D 14.598 TOTAL OBS 900	MEAN -10.7 S D 14.318 TOTAL OBS 930	MEAN 14.3 S D 28.141 TOTAL OBS 10948
06-08	MEAN -17.3 S D 17.362 TOTAL OBS 930	MEAN -14.1 S D 14.649 TOTAL OBS 846	MEAN -3.9 S D 15.306 TOTAL OBS 930	MEAN 19.3 S D 12.857 TOTAL OBS 900	MEAN 40.3 S D 9.304 TOTAL OBS 924	MEAN 53.6 S D 6.347 TOTAL OBS 900	MEAN 58.3 S D 5.214 TOTAL OBS 930	MEAN 53.2 S D 6.260 TOTAL OBS 930	MEAN 40.0 S D 6.681 TOTAL OBS 900	MEAN 25.8 S D 8.901 TOTAL OBS 930	MEAN 1.2 S D 14.581 TOTAL OBS 900	MEAN -10.6 S D 14.678 TOTAL OBS 930	MEAN 20.6 S D 29.734 TOTAL OBS 10920
09-11	MEAN -16.8 S D 16.808 TOTAL OBS 930	MEAN -11.8 S D 13.886 TOTAL OBS 846	MEAN 2.4 S D 14.093 TOTAL OBS 930	MEAN 26.4 S D 12.760 TOTAL OBS 900	MEAN 47.1 S D 10.523 TOTAL OBS 926	MEAN 60.0 S D 7.644 TOTAL OBS 900	MEAN 64.7 S D 6.630 TOTAL OBS 930	MEAN 59.8 S D 7.046 TOTAL OBS 930	MEAN 45.5 S D 7.483 TOTAL OBS 900	MEAN 29.0 S D 9.221 TOTAL OBS 930	MEAN 2.6 S D 14.166 TOTAL OBS 900	MEAN -10.2 S D 14.633 TOTAL OBS 930	MEAN 25.1 S D 31.549 TOTAL OBS 10952
12-14	MEAN -13.6 S D 15.326 TOTAL OBS 930	MEAN -5.7 S D 12.971 TOTAL OBS 846	MEAN 10.3 S D 13.762 TOTAL OBS 930	MEAN 32.2 S D 12.656 TOTAL OBS 900	MEAN 52.0 S D 11.462 TOTAL OBS 923	MEAN 64.3 S D 8.441 TOTAL OBS 900	MEAN 64.2 S D 7.506 TOTAL OBS 930	MEAN 65.0 S D 8.190 TOTAL OBS 930	MEAN 50.7 S D 8.855 TOTAL OBS 900	MEAN 32.9 S D 10.124 TOTAL OBS 930	MEAN 5.7 S D 13.257 TOTAL OBS 900	MEAN -8.0 S D 13.860 TOTAL OBS 930	MEAN 29.7 S D 31.752 TOTAL OBS 10949
15-17	MEAN -13.7 S D 15.669 TOTAL OBS 930	MEAN -4.1 S D 12.639 TOTAL OBS 846	MEAN 12.7 S D 14.080 TOTAL OBS 930	MEAN 34.0 S D 12.272 TOTAL OBS 900	MEAN 53.2 S D 11.564 TOTAL OBS 927	MEAN 65.2 S D 8.828 TOTAL OBS 900	MEAN 70.2 S D 7.787 TOTAL OBS 930	MEAN 66.3 S D 8.644 TOTAL OBS 930	MEAN 51.8 S D 9.047 TOTAL OBS 900	MEAN 33.1 S D 10.253 TOTAL OBS 930	MEAN 4.7 S D 13.764 TOTAL OBS 900	MEAN -8.8 S D 13.805 TOTAL OBS 930	MEAN 30.6 S D 32.193 TOTAL OBS 10953
18-20	MEAN -15.3 S D 16.440 TOTAL OBS 930	MEAN -7.8 S D 13.488 TOTAL OBS 846	MEAN 8.2 S D 14.131 TOTAL OBS 930	MEAN 30.8 S D 12.025 TOTAL OBS 900	MEAN 50.5 S D 10.964 TOTAL OBS 927	MEAN 62.8 S D 8.032 TOTAL OBS 900	MEAN 67.4 S D 7.340 TOTAL OBS 930	MEAN 62.2 S D 8.009 TOTAL OBS 930	MEAN 46.8 S D 7.978 TOTAL OBS 900	MEAN 29.9 S D 9.578 TOTAL OBS 930	MEAN 2.9 S D 14.056 TOTAL OBS 900	MEAN -9.8 S D 13.891 TOTAL OBS 930	MEAN 27.6 S D 31.698 TOTAL OBS 10953
21-23	MEAN -16.4 S D 16.793 TOTAL OBS 930	MEAN -9.9 S D 14.283 TOTAL OBS 846	MEAN 3.3 S D 14.964 TOTAL OBS 930	MEAN 25.1 S D 11.604 TOTAL OBS 900	MEAN 43.6 S D 9.428 TOTAL OBS 923	MEAN 55.7 S D 8.942 TOTAL OBS 900	MEAN 60.4 S D 6.297 TOTAL OBS 930	MEAN 55.5 S D 6.297 TOTAL OBS 930	MEAN 42.8 S D 7.029 TOTAL OBS 900	MEAN 28.1 S D 7.469 TOTAL OBS 930	MEAN 1.9 S D 9.199 TOTAL OBS 900	MEAN -10.5 S D 14.413 TOTAL OBS 930	MEAN 23.5 S D 29.689 TOTAL OBS 10949
ALL HOURS	MEAN -15.9 S D 16.631 TOTAL OBS 7440	MEAN -9.8 S D 14.368 TOTAL OBS 6768	MEAN 3.6 S D 15.782 TOTAL OBS 7440	MEAN 25.8 S D 13.709 TOTAL OBS 7200	MEAN 45.2 S D 11.783 TOTAL OBS 7393	MEAN 57.6 S D 9.505 TOTAL OBS 7200	MEAN 62.5 S D 8.742 TOTAL OBS 7440	MEAN 58.1 S D 9.290 TOTAL OBS 7440	MEAN 44.7 S D 8.962 TOTAL OBS 7200	MEAN 29.1 S D 9.748 TOTAL OBS 7440	MEAN 2.8 S D 14.259 TOTAL OBS 7200	MEAN -9.9 S D 14.168 TOTAL OBS 7440	MEAN 24.6 S D 30.718 TOTAL OBS 87601

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

26210 FORT SIMPSON NWT OUT

57-66

STATION	STATION NAME	YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02			MEAN -12.3	-10.4	-1.0	19.3	35.6	47.3	52.9	50.2	39.1	26.5	2.4	-9.2	21.0
			S D 13.679	13.387	14.599	11.641	7.619	5.685	4.725	5.983	6.714	8.443	13.877	12.927	26.064
			TOTAL OBS 783	797	920	900	921	900	930	930	900	930	888	883	10682
03-05			MEAN -11.6	-11.4	-3.1	16.8	34.0	46.3	51.7	48.4	38.0	25.6	2.0	-8.6	20.0
			S D 13.377	13.328	14.658	12.342	7.832	5.609	4.650	5.876	6.442	8.573	13.704	12.328	25.635
			TOTAL OBS 763	788	916	900	921	900	930	930	900	930	885	864	10627
06-08			MEAN -11.7	-12.0	-3.7	18.0	36.8	49.3	54.3	50.5	38.5	25.0	1.7	-8.4	21.0
			S D 13.389	12.916	14.607	12.093	8.153	5.598	4.144	5.494	6.172	8.531	13.702	12.582	26.608
			TOTAL OBS 757	777	917	900	924	900	930	930	900	930	886	860	10611
09-11			MEAN -11.5	-11.1	1.7	23.6	40.9	52.4	57.4	54.1	42.1	27.5	2.9	-8.5	23.6
			S D 12.860	12.852	13.378	11.050	8.127	5.615	4.442	5.522	6.169	8.370	13.283	12.858	27.353
			TOTAL OBS 759	818	929	900	926	900	930	930	900	930	889	874	10685
12-14			MEAN -11.6	-6.0	8.8	28.0	43.5	53.9	58.9	56.1	45.0	30.4	5.3	-7.5	25.9
			S D 13.573	12.359	12.551	10.331	8.168	5.374	4.475	5.795	6.488	8.524	12.887	12.959	27.157
			TOTAL OBS 822	842	930	900	923	900	930	930	900	930	899	910	10846
15-17			MEAN -11.8	-4.6	11.0	29.4	44.1	54.3	59.1	56.5	45.7	30.6	4.3	-7.9	26.4
			S D 13.907	12.233	12.585	9.768	8.036	5.256	4.303	5.748	6.583	8.628	13.510	12.571	27.225
			TOTAL OBS 860	846	930	900	927	900	930	930	900	930	900	897	10850
18-20			MEAN -12.3	-7.6	7.2	27.4	42.9	53.8	58.5	55.5	43.2	28.3	2.7	-8.6	24.9
			S D 13.915	12.855	13.155	10.026	7.896	5.243	4.262	5.817	6.659	8.596	13.806	12.450	27.442
			TOTAL OBS 822	834	930	900	927	900	930	930	900	930	898	889	10790
21-23			MEAN -12.2	-9.0	2.8	23.0	39.2	50.9	55.7	52.1	40.6	26.9	2.0	-9.3	22.7
			S D 13.687	13.273	14.213	10.578	7.727	5.468	4.439	5.988	6.673	8.512	13.972	12.677	26.727
			TOTAL OBS 788	816	928	900	923	900	930	930	900	930	894	892	10731
ALL HOURS			MEAN -11.9	-8.9	3.0	23.2	39.6	51.0	56.1	52.9	41.5	27.6	2.9	-8.5	23.2
			S D 13.559	13.144	14.681	11.899	8.724	6.210	5.172	6.446	7.049	8.735	13.642	12.628	26.881
			TOTAL OBS 6384	6518	7400	7200	7392	7200	7440	7440	7200	7440	7139	7069	85822

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

26210 FORT SIMPSON NWT DUT

57-66

STATION		STATION NAME												YEARS													
HRS LST		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL	
00-02	MEAN	-18.2		-16.4		-6.4		14.9		31.6		44.5		50.5		48.1		37.1		24.2		-1.5		-14.2		17.1	
	S D	14.803		14.831		13.551		12.602		8.174		6.429		5.081		6.213		6.971		9.047		14.875		13.519		27.560	
	TOTAL OBS	783		797		920		900		921		900		930		930		900		930		888		883		10682	
03-05	MEAN	-17.3		-17.5		-8.6		12.6		30.7		43.7		49.7		46.7		36.2		23.3		-2.0		-13.6		16.4	
	S D	14.354		14.803		15.925		13.391		8.541		6.424		4.982		5.961		6.709		9.305		14.679		13.259		27.313	
	TOTAL OBS	762		788		916		900		921		900		930		930		900		930		885		864		10626	
06-08	MEAN	-17.3		-18.1		-9.3		13.3		32.0		45.3		51.4		48.3		36.7		22.7		-2.4		-13.4		16.9	
	S D	14.291		14.352		15.757		13.072		8.717		6.621		4.566		5.696		6.409		9.294		14.653		13.552		27.902	
	TOTAL OBS	756		777		917		900		924		900		930		930		900		930		886		860		10610	
09-11	MEAN	-17.7		-17.7		-4.8		17.0		33.4		46.0		52.5		49.8		38.4		24.4		-1.3		-13.6		18.2	
	S D	13.725		14.000		14.337		11.511		8.344		6.897		5.088		6.066		6.351		8.844		14.077		13.546		27.882	
	TOTAL OBS	759		818		929		900		926		900		930		930		900		930		889		874		10685	
12-14	MEAN	-18.0		-12.8		1.2		20.1		33.8		45.4		51.9		49.6		39.2		26.1		.8		-12.8		19.2	
	S D	14.054		13.510		13.495		10.432		8.333		6.971		5.562		6.559		6.899		8.549		13.799		13.735		26.929	
	TOTAL OBS	852		842		930		900		923		900		930		930		900		930		899		910		10844	
15-17	MEAN	-18.2		-11.1		3.7		21.3		33.9		45.4		51.5		49.2		39.3		26.3		.1		-13.1		19.5	
	S D	14.584		13.377		12.972		9.808		8.276		6.797		5.624		6.665		7.229		8.630		14.326		13.400		26.670	
	TOTAL OBS	860		846		930		900		927		900		930		930		900		930		900		897		10850	
18-20	MEAN	-18.4		-13.5		1.2		20.7		34.4		46.3		52.4		50.5		39.4		25.1		-1.3		-13.7		19.3	
	S D	14.885		14.027		13.631		10.143		7.996		7.127		5.372		6.593		7.202		8.934		14.680		13.359		27.502	
	TOTAL OBS	822		834		930		900		927		900		930		930		900		930		898		889		10790	
21-23	MEAN	-18.2		-15.0		-2.8		17.8		33.6		46.6		52.3		49.4		38.0		24.1		-2.1		-14.4		18.3	
	S D	14.938		14.634		15.096		11.480		8.107		6.593		4.882		6.417		6.993		9.047		14.941		13.641		27.827	
	TOTAL OBS	788		816		928		900		923		900		930		930		900		930		894		892		10731	
ALL HOURS	MEAN	-17.9		-15.2		-3.2		17.2		32.9		45.4		51.5		48.9		38.1		24.5		-1.2		-13.6		18.1	
	S D	14.461		14.390		15.312		12.043		8.401		6.792		5.235		6.373		6.972		9.032		14.538		13.506		27.470	
	TOTAL OBS	6382		6518		7400		7200		7392		7200		7440		7440		7200		7440		7139		7069		85820	

## RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

**MONTH**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]



## RELATIVE HUMIDITY

STATION

STATION NAME

1997

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-10	100.0	100.0	100.0	100.0	99.9	99.9	94.1	76.2	57.7	40.3	75.7	122
1-11	100.0	100.0	99.9	99.9	99.9	99.9	94.3	76.7	59.0	40.2	75.7	110
1-12	100.0	100.0	99.9	99.9	99.9	99.9	95.3	76.4	59.3	40.0	75.7	117
1-13	100.0	100.0	100.0	99.9	99.9	99.9	95.0	76.7	59.3	40.3	75.7	119
1-14	100.0	100.0	99.9	99.9	99.9	99.9	94.7	76.2	59.2	40.1	75.1	129
1-15	100.0	100.0	100.0	99.9	99.9	99.9	95.1	75.0	59.1	40.0	75.7	119
1-16	100.0	100.0	100.0	99.9	99.9	99.9	94.5	75.0	59.1	40.4	75.1	131
1-17	100.0	100.0	100.0	99.9	99.9	99.9	94.2	73.3	59.4	40.6	72.2	121
1-18												
1-19												
1-20												
TOTALS		100.0	100.0	99.9	99.9	99.9	87.0	64.3	52.5	40.6	72.7	7149







STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]



# RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	1-10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
	11-20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
	21-30	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
	31-40	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
	41-50	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
	51-60	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
	61-70	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
	71-80	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
	81-90	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
	91-100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
	TOTALS	100.0	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	1000

USAF ETAC

FORM  
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## RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
11-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11-1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11-2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11-3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11-4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11-5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11-6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11-7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11-8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
11-9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
TOTALS		100.0	100.0	93.7	86.8	80.4	76.7	60.6	47.2	30.5	24.7	14.4

## RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	1-5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	7.0	100
	6-10	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	7.0	100
	11-15	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	7.0	100
	16-20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	7.0	100
	21-25	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	7.0	100
	26-30	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	7.0	100
	31	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	7.0	100
	TOTALS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	7.0	100

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## RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]



MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

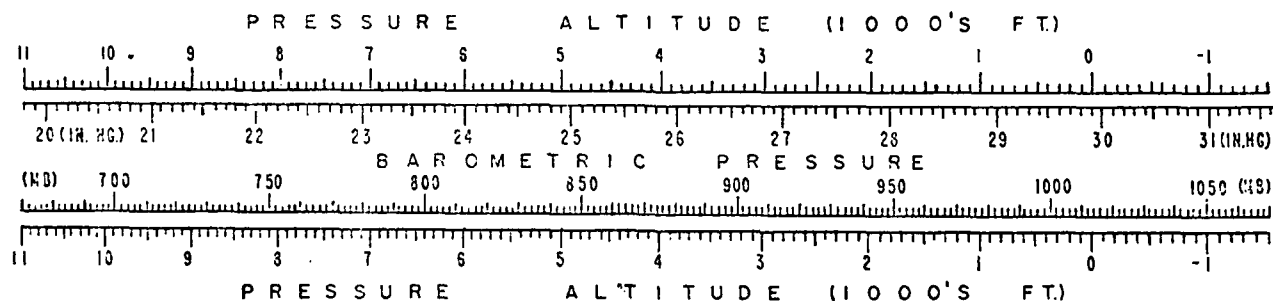
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

26210 FORT SIMPSON NWT DOT

57-66

STATION		YEARS												
STATION NAME		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	29.661	29.590	29.600	29.489	29.453	29.354	29.354	29.353	29.374	29.303	29.447	29.504	29.436
	S D	.350	.378	.299	.300	.270	.222	.190	.223	.261	.336	.352	.367	.320
	TOTAL OBS	310	282	310	300	307	300	310	310	300	310	300	310	3649
04	MEAN	29.662	29.592	29.605	29.496	29.465	29.363	29.362	29.360	29.378	29.304	29.445	29.502	29.461
	S D	.350	.377	.297	.302	.272	.224	.191	.224	.261	.338	.350	.370	.320
	TOTAL OBS	310	282	310	300	307	300	310	310	300	310	300	310	3649
07	MEAN	29.658	29.592	29.613	29.506	29.473	29.367	29.369	29.369	29.382	29.309	29.447	29.496	29.465
	S D	.351	.374	.297	.303	.273	.224	.191	.225	.262	.339	.349	.374	.320
	TOTAL OBS	310	282	310	300	308	300	310	310	300	310	300	310	3650
10	MEAN	29.669	29.596	29.614	29.502	29.462	29.357	29.361	29.366	29.383	29.318	29.458	29.505	29.465
	S D	.353	.375	.298	.302	.272	.222	.191	.223	.261	.340	.349	.374	.321
	TOTAL OBS	310	282	310	300	308	300	310	310	300	310	300	310	3650
13	MEAN	29.663	29.585	29.595	29.487	29.443	29.340	29.346	29.353	29.373	29.312	29.454	29.501	29.454
	S D	.352	.374	.296	.297	.269	.218	.188	.218	.259	.336	.348	.371	.319
	TOTAL OBS	310	282	310	300	308	300	310	310	300	310	300	310	3650
16	MEAN	29.663	29.577	29.578	29.474	29.427	29.326	29.331	29.337	29.363	29.306	29.452	29.504	29.444
	S D	.349	.374	.291	.293	.265	.215	.188	.214	.258	.332	.347	.366	.317
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
19	MEAN	29.661	29.579	29.579	29.473	29.424	29.324	29.328	29.332	29.363	29.303	29.451	29.503	29.443
	S D	.349	.377	.290	.292	.262	.212	.188	.212	.258	.333	.349	.364	.317
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	310	3651
22	MEAN	29.661	29.583	29.586	29.487	29.440	29.339	29.341	29.343	29.369	29.303	29.452	29.503	29.450
	S D	.350	.381	.293	.297	.265	.214	.189	.217	.260	.337	.349	.367	.319
	TOTAL OBS	310	282	310	300	308	300	310	310	300	310	300	310	3650
ALL HOURS	MEAN	29.662	29.587	29.596	29.489	29.449	29.346	29.349	29.352	29.379	29.307	29.451	29.502	29.455
	S D	.350	.376	.295	.298	.269	.219	.190	.219	.260	.336	.349	.369	.319
	TOTAL OBS	2480	2256	2480	2400	2464	2400	2480	2480	2400	2480	2400	2480	29200

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

26210 FORT SIMPSON NWT DUT

57-66

STATION

STATION NAME

YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	1023.6	1021.0	1021.0	1016.7	1015.2	1011.5	1011.4	1011.4	1012.4	1010.3	1016.4	1018.6	1015.8
	S D	11.768	12.338	10.279	10.244	8.505	7.137	6.260	7.359	9.192	11.294	12.426	12.403	11.017
	TOTAL OBS	310	282	310	300	307	300	310	310	300	310	300	310	3649
04	MEAN	1023.6	1021.1	1021.2	1017.0	1015.5	1011.8	1011.7	1011.7	1012.3	1010.3	1016.3	1018.6	1015.9
	S D	11.773	12.295	10.212	10.269	8.579	7.205	6.273	7.402	9.176	11.316	12.374	12.526	11.008
	TOTAL OBS	310	282	310	300	307	300	310	310	300	310	300	310	3649
07	MEAN	1023.6	1021.1	1021.6	1017.3	1015.7	1011.9	1011.9	1012.0	1012.7	1010.6	1016.4	1018.4	1016.1
	S D	11.830	12.229	10.254	10.356	8.594	7.222	6.303	7.435	9.177	11.356	12.312	12.608	11.004
	TOTAL OBS	310	282	310	300	307	300	310	310	300	310	300	310	3649
10	MEAN	1024.0	1021.3	1021.6	1017.1	1015.4	1011.6	1011.6	1011.9	1012.7	1010.8	1016.8	1018.7	1016.1
	S D	11.904	12.240	10.261	10.300	8.583	7.134	6.299	7.346	9.147	11.425	12.301	12.618	11.046
	TOTAL OBS	310	282	310	300	308	300	310	310	300	310	300	310	3650
13	MEAN	1023.7	1020.8	1020.9	1016.6	1014.7	1011.0	1011.1	1011.4	1012.3	1010.6	1016.6	1018.6	1015.7
	S D	11.851	12.196	10.172	10.157	8.473	7.000	6.207	7.155	9.075	11.302	12.259	12.520	10.967
	TOTAL OBS	310	282	310	300	307	300	310	310	300	310	300	310	3649
16	MEAN	1023.7	1020.5	1020.3	1016.2	1014.2	1010.5	1010.6	1010.9	1012.0	1010.4	1016.6	1018.7	1015.4
	S D	11.748	12.193	10.045	10.018	8.351	6.846	6.200	7.021	9.041	11.145	12.249	12.337	10.921
	TOTAL OBS	310	282	310	300	307	300	310	310	300	310	300	310	3649
19	MEAN	1023.7	1020.7	1020.3	1016.2	1014.0	1010.4	1010.5	1010.7	1012.0	1010.4	1016.5	1018.6	1015.3
	S D	11.797	12.295	9.998	9.977	8.258	6.766	6.204	6.981	9.075	11.203	12.333	12.298	10.947
	TOTAL OBS	310	282	310	300	307	300	310	310	300	310	300	310	3649
22	MEAN	1023.7	1020.8	1020.6	1016.6	1014.6	1010.9	1011.0	1011.1	1012.2	1010.4	1016.6	1018.7	1015.6
	S D	11.826	12.442	10.079	10.121	8.350	6.803	6.276	7.156	9.172	11.306	12.387	12.358	10.987
	TOTAL OBS	310	282	310	300	306	300	310	310	300	310	300	310	3648
ALL HOURS	MEAN	1023.7	1020.9	1020.9	1016.7	1014.9	1011.2	1011.2	1011.4	1012.3	1010.3	1016.5	1018.6	1015.7
	S D	11.796	12.262	10.160	10.173	8.471	7.026	6.262	7.236	9.122	11.279	12.314	12.442	10.989
	TOTAL OBS	2480	2256	2480	2400	2456	2400	2480	2480	2400	2480	2400	2480	29192

END

DATE  
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